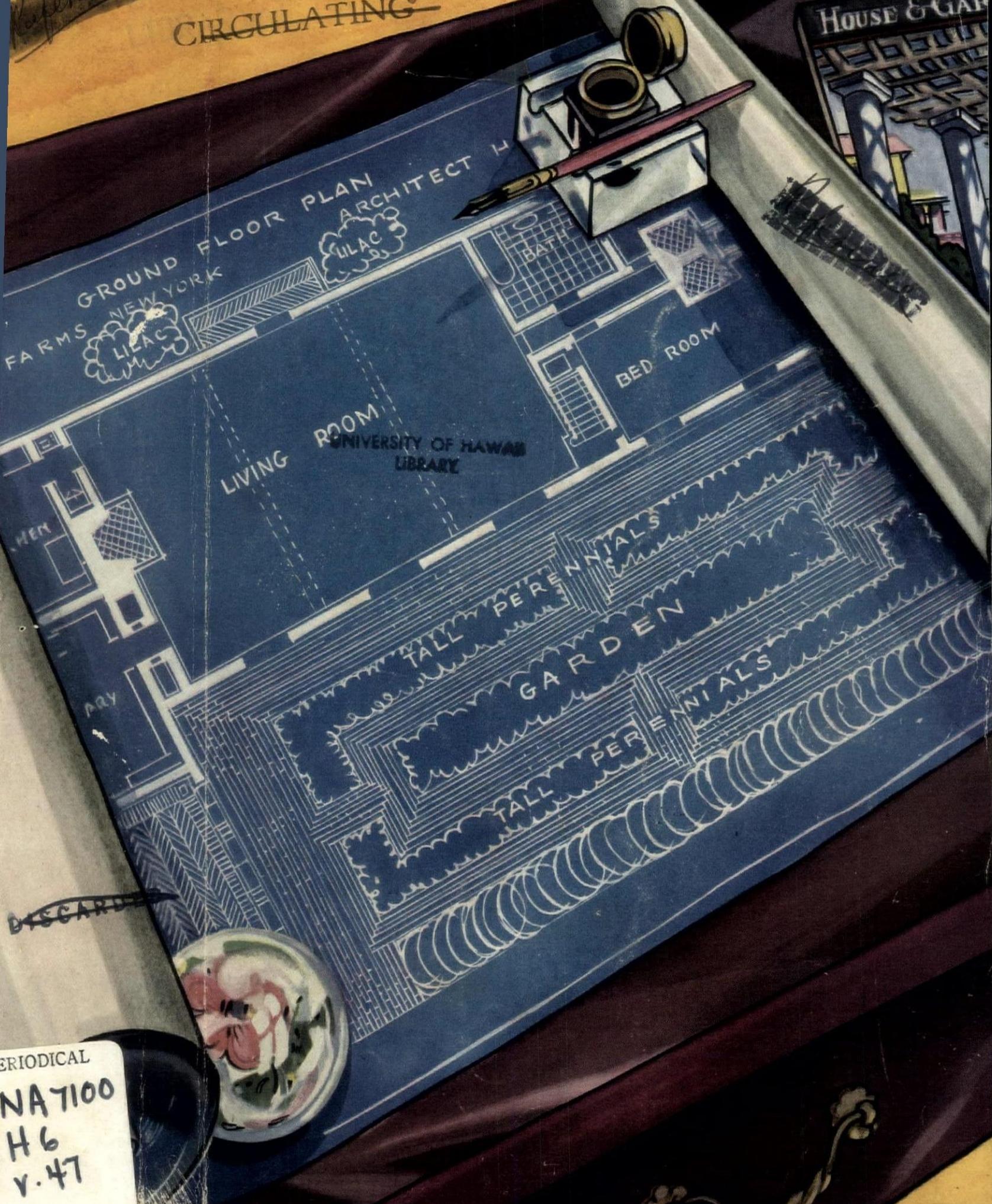


HOUSE & GARDEN

LIBRARY OF HAWAII

CIRCULATING



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If about to build or remodel
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"Standard" Plumbing Fixtures
for the Home.



"Standard" PLUMBING FIXTURES

Standard Sanitary Mfg. Co.
Pittsburgh



Res. of James Gilmore, Esq., Reg. Arch. Cincinnati, Ohio, Bishopric Ivoral Cream Stucco over Bishopric Base on all exteriors.

How Bishopric provides *lasting beauty and protection* for your home

Rare beauty of shade and texture, with permanent protection from the elements are exclusive Bishopric qualities that are being appreciated more and more by those interested in home-building. BISHOPRIC is a super-stucco with greatly increased strength, thus providing durability and protection so vital to every building, whether it be large or small. In Bishopric only can be obtained the wide variety of beautiful shades and textures now demanded by those who appreciate the best. With Bishopric, beauty and protection go hand in hand.

Tensile strength tests show BISHOPRIC far superior to other stuccoes.

BISHOPRIC is fireproof, magnesia rock used is the same as that used to line furnaces and smelters — Tremendous heat has no effect on it.

BISHOPRIC is thoroughly water-proofed by a secret process shutting out moisture, cold, heat, wind and vermin.

BISHOPRIC Insulation Qualities are practically perfect, retarding heat and cold, eliminating objectionable noises.

BISHOPRIC requires no painting or renewing—A wall built to stand for generations.

In mansion or bungalow, Bishopric Stucco has a place, whether laid over stately lines or designed after those quaint cottage effects, now so popular.

Bishopric Stucco endures in every clime, retaining its strength and original color in temperatures of either extreme. Economical in original cost, negligible in upkeep, warm in winter and cool in summer, BISHOPRIC STUCCO over BISHOPRIC BASE not only wins friends but keeps them. And no wonder, for it yields itself to any form and endures from generation unto generation.

An interesting booklet, "Bishopric For All Time and Clime," illustrated with photographs of beautiful houses built with Bishopric Stucco, plaster and sheathing units will be mailed you Free.

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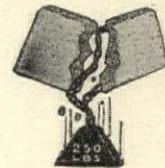
BISHOPRIC STUCCO *over* BISHOPRIC BASE

"A Complete Wall Unit for all Time and Clime"

Printed
CIRCULATING

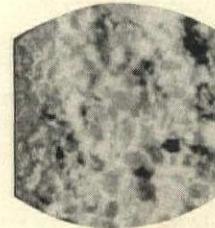
*Stucco walls
of greater
strength*

Ordinary Stucco Bishopric Stucco

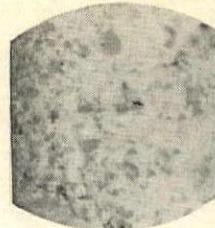


The enormous tensile strength of Bishopric Stucco is illustrated here. This is just one of the Bishopric guarantees of permanence on the wall.

Ordinary Stucco



The average stucco being marketed today is extremely porous and therefore NOT WATERPROOF. Notice the spongy porous formation in this enlargement and compare the density of Bishopric shown below.



Bishopric Stucco



CHAMBRE A COUCHER, HOTEL DE M. R. A PARIS
PAR MAURICE DUFRENE

BACK of all achievement is love of the work. Two generations have built Hartmann trunks. Always present has been that desire to excel—that feeling of pride. And the knowledge that every trunk bears the name has played its part. Instinct tells you, when you look at a Hartmann Wardrobe Trunk, that it has that indefinable something we call "quality." And ownership proves instinct right. Sold only by dealers who believe in unusual quality at usual prices.

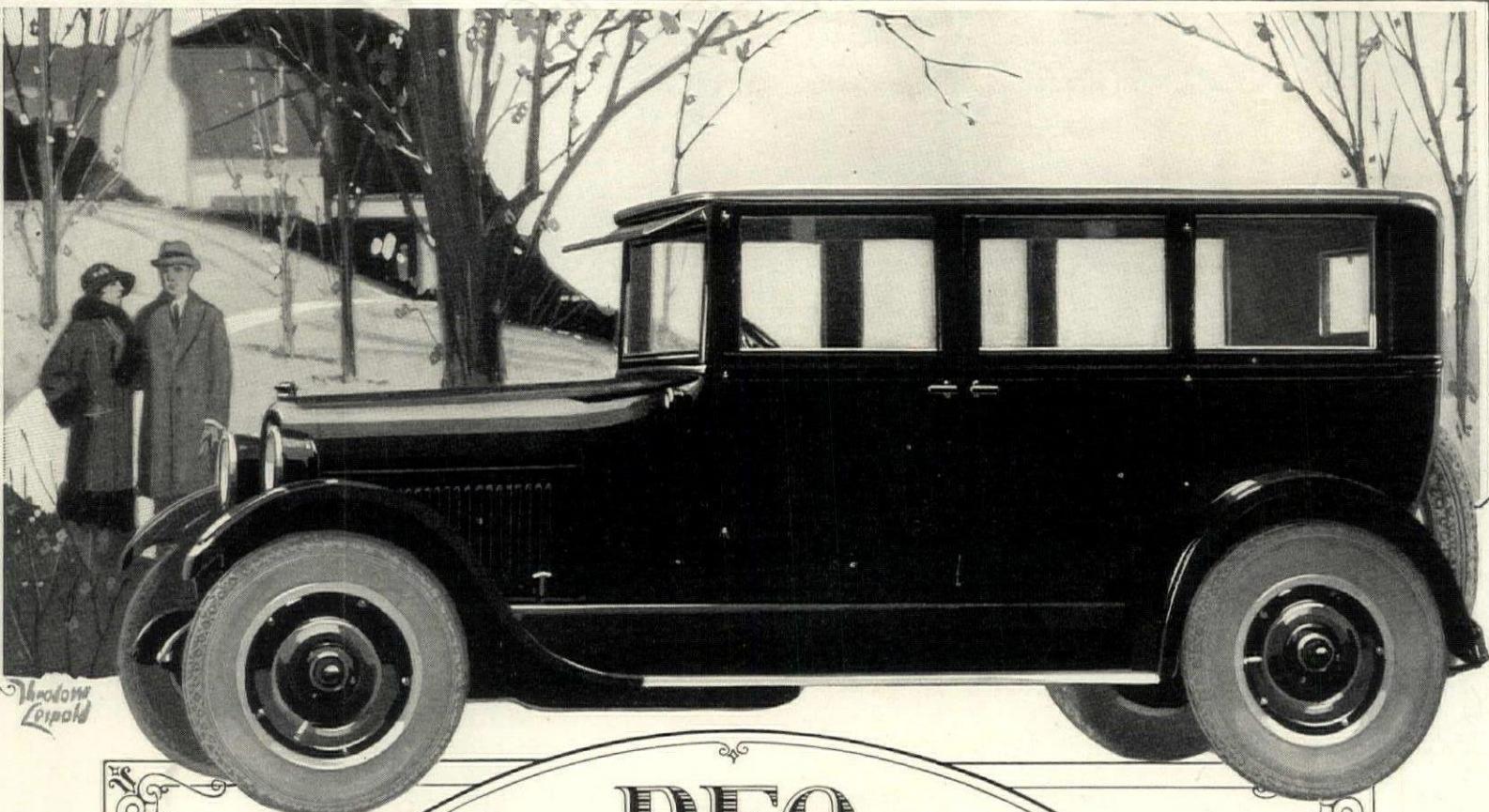
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M. Langmuir Manufacturing Company, Ltd., Toronto
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REO
The Gold Standard of Values

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At Lansing, plus tax

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Produced to commemorate Reo's twenty years of sound engineering and successful manufacturing—

And to exemplify Reo's exceptional resources and unusual self-containment.

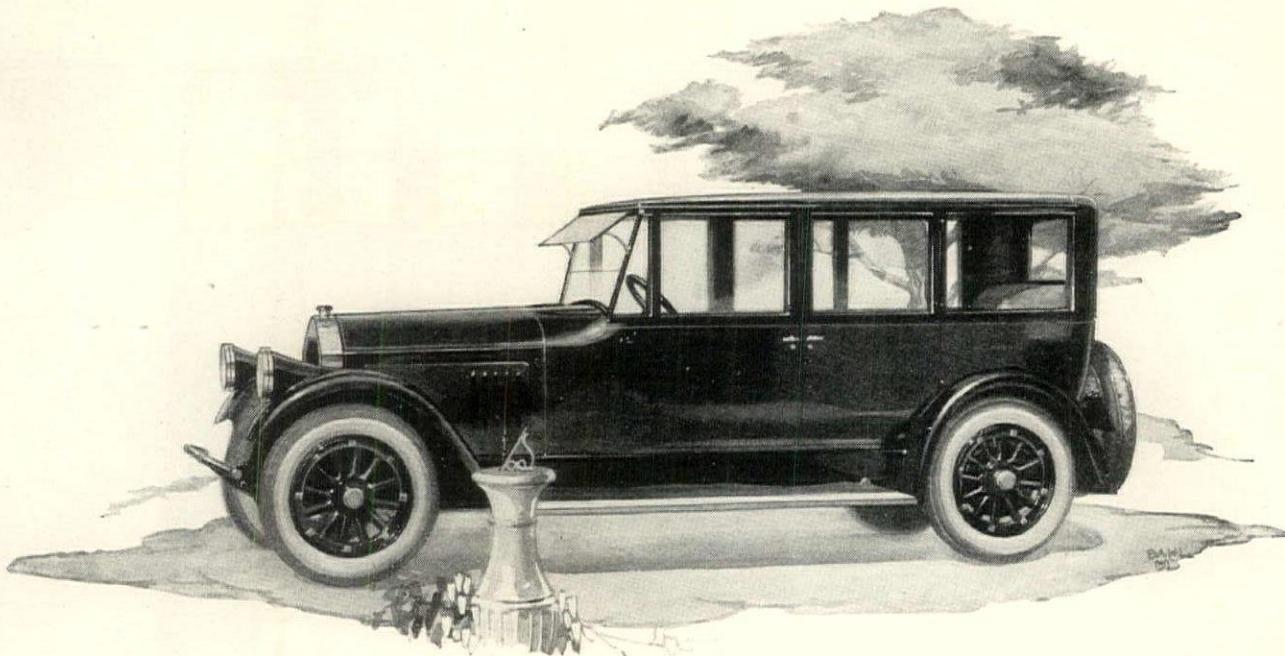
High powered 6-cylinder engine—

standard double-frame chassis—safety foot control—over-sized brakes—genuine balloon tires.

Full size sedan roominess and four-door convenience. Gracefully modeled body, finely finished and liberally upholstered.

Write for the special catalog, or inspect the model at the nearest Reo dealer.

REO MOTOR CAR CO. Lansing, Mich.
For Twenty Years Manufacturers of Quality Motor Cars



The Pierce-Arrow Dual-Valve Six, Seven-Passenger Sedan, selected by J. V. de Laveaga, Esq. For this car, Mr. de Laveaga chose a finish of dark maroon. The striping of deep brown on the body, hood and wheels is divided by a hairline stripe of cream. The fenders finished in black give an effective contrast. Heather mixture upholstery was chosen to harmonize with this color scheme.

To owners of the Pierce-Arrow Dual-Valve Six, a motor car is more than a means of transportation. It is an integral part of a whole background of well-ordered living. Such a car, naturally, cannot be produced by ordinary methods, or in more than limited numbers.

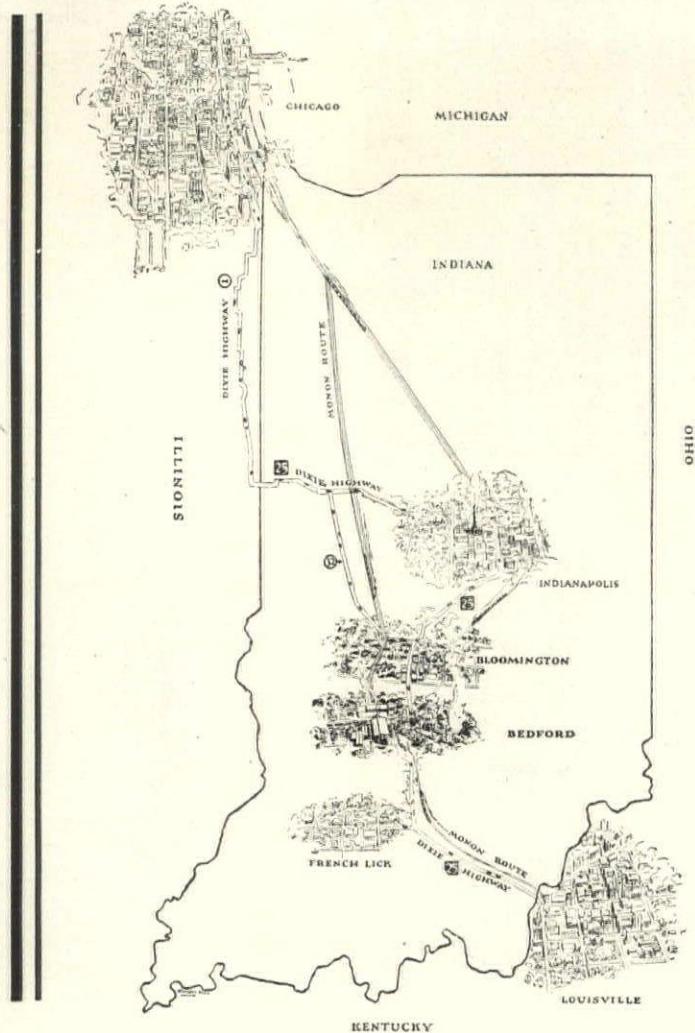
THE PIERCE-ARROW MOTOR CAR COMPANY BUILDS TWO TYPES OF MOTOR CARS,
THE SERIES 33 DUAL-VALVE SIX IN THIRTEEN BODY STYLES, AT \$5,250 AND UPWARD;
THE SERIES 80 IN SEVEN BODY STYLES, AT \$2,895 AND UPWARD

DUAL-VALVE SIX

Open cars \$5,250 Closed cars \$7,000, at Buffalo

PIERCE- ARROW

BUILD THE NATION SECURELY WITH
INDIANA LIMESTONE
 The NATION'S BUILDING STONE



An Invitation

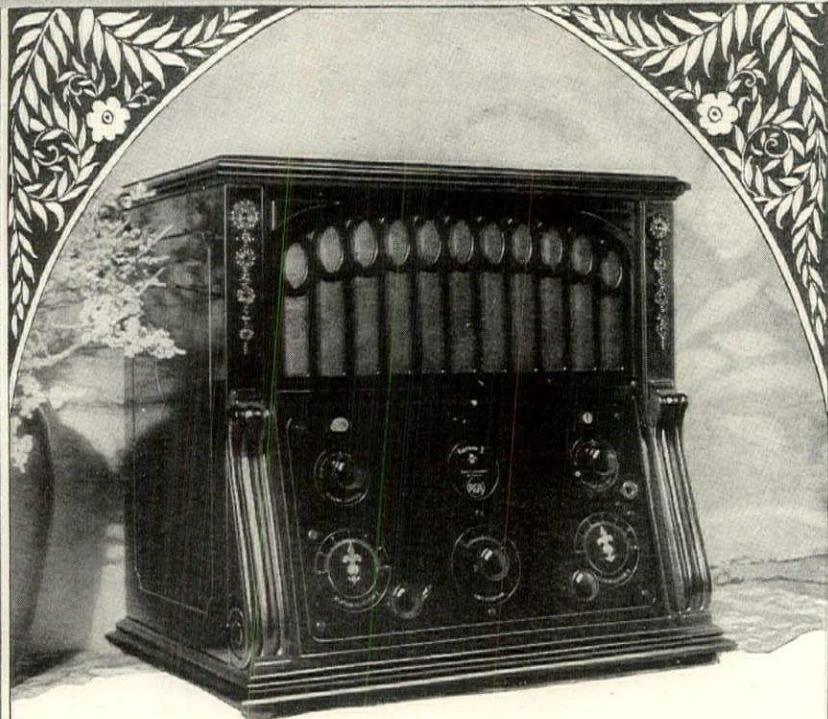
BRIGHT prospects mark the opening of the New Year. The business horizon is aglow, for fundamental conditions never were sounder. Building construction will continue in large volume. Steady growth of the nation makes this inevitable. Builders are anticipating their 1925 needs. During the next two months thousands will visit the famous Limestone district. When the quarry pits are roaring, the Bedford-Bloomington countryside becomes a vast panorama of engineering skill. The scarred hills of natural stone are an irresistible fascination.

From French Lick Springs, the Land of Stone can be reached in a single hour. Motorists use the Dixie Highway for Bedford and Bloomington, which are midway between Indianapolis and Louisville.

Every prospective builder should make this trip a part of his New Year schedule, for it combines business, education and pleasure.

INDIANA LIMESTONE QUARRYMEN'S ASSOCIATION
 BEDFORD, INDIANA
 (782)

RADIOLA X



SHE "distance fan" is now a *listener!* The thrill of radio is no longer in getting fifty stations in a night, for radio has conquered distance, and turns now to music.

Music from far stations—music from near stations—*clear and true!* No longer will horn sounds, noises, thinned and flattened tones pass for music because they come from far away. In the Radiola X, each thread of sound reaches your room as it was played or sung—in full richness. Speech is clear, voices are *real*.

The engineers have kept pace with the broadcasters—have improved reception to meet an ever-widening world of fun. With the simplicity, the beauty, and the tone quality of Radiola X, the home becomes a fascinating corner in a world of new interests and new pleasures—for everybody.

"There's a Radiola for every purse"

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This symbol of
quality is your
protection

RADIOLA X

—the famous Regenoflex circuit, in a rich mahogany cabinet, with a built-in loudspeaker, and space for the batteries. With four Radiotrons WD-11. Complete except batteries and antenna, \$245



RADIOLA REGENOFLEX

—sensitive, clear-toned, non-radiating. With four Radiotrons WD-11 and Radiola Loudspeaker. Space inside for the batteries. Entirely complete except batteries and antenna, \$191

Uses only dry batteries.

January, 1925

Sarook, Teheran, Ispahan, and Tabriz are among the districts of Persia whose rugs you find at Macy's. And from China comes a rug, new to America, which is



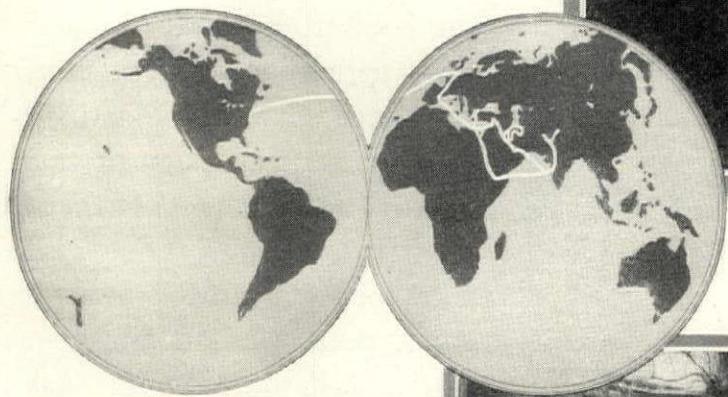
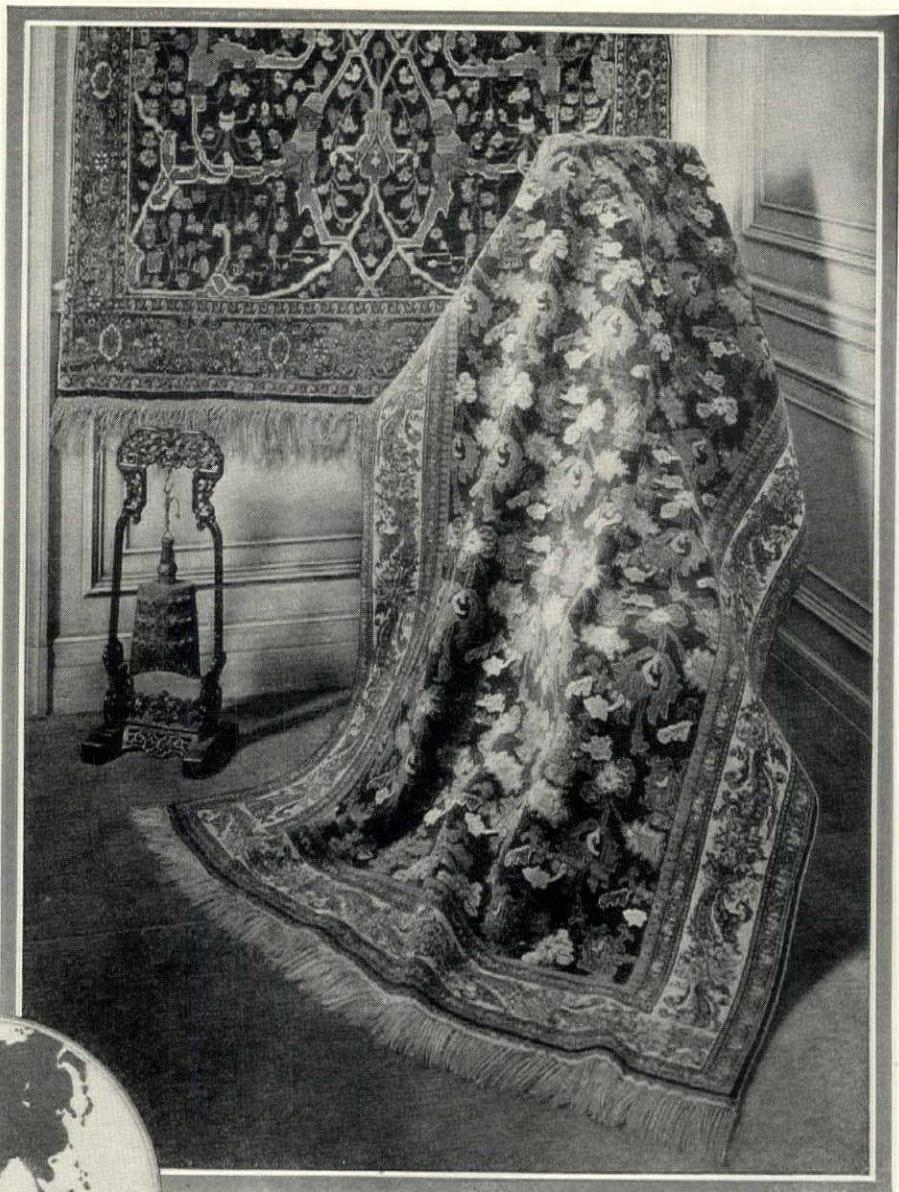
exclusive at Macy's. Its tones of red, blue, and mulberry are unsurpassable in lustre, yet the prices are surprisingly moderate. Ask to see Macy's new Chinese rug.

MACY'S BUYER WENT A LONG WAY TO SAVE YOU MONEY

PERSIAN RUGS, the best of Orientals, are woven in villages more than ten thousand miles from New York. Rarely do department store buyers travel to Persia, and beyond.

But Macy's Oriental rug buyer made this journey recently; he went from New York to Bombay, then to Bagdad, and through the heart of northern Persia, and finally to Cashmere and the borders of Afghanistan.

His long excursion was worth while; for he bought thousands of rugs for less than they would cost at wholesale in New York, and you will now find them at Macy's at prices which spell *real* savings—prices that are the lowest quality for quality, in New York.



A snapshot taken in Hamadan, Persia. On the rug bales you will see the initials R.H.M. Rowland H. Macy died before the age of snapshots—yet he, too, never hesitated to travel overseas, so that his patrons might be better served, and his sturdy example is followed by the people of the institution which he founded.



These two Persian rugs from Macy's collection are antique Senna Kurdistans, priced respectively \$348 and \$478. The Chinese bronze temple bell of the Han Dynasty is from Macy's remarkable Far East Department, adjoining the Oriental Rug Department on the sixth floor. Price, \$124.

R.H. Macy & Co
Ine.

34th ST. & BROADWAY · NEW YORK CITY

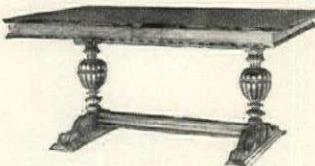
GUMWOOD—ONE OF AMERICA'S FINEST CABINET HARDWOODS

One of Nature's riddles

THE pattern in figured gumwood obeys no laws; it ramifies through the wood at random. Fine effects are eagerly sought for modern interiors.



Gumwood for solid parts permits extra value in design, construction, finish, and surface woods used



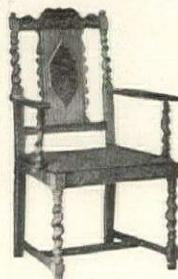
Entire base and carved end-supports of American gumwood



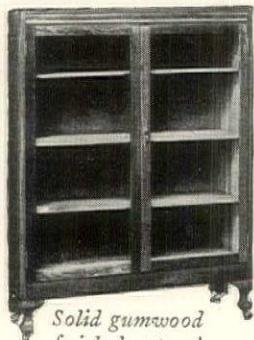
All but the inlaid top is gumwood



Frame, legs, and mirror supports of durable and dependable gumwood



All gumwood except ornamental panels



Solid gumwood finished natural



No other cabinet hardwood yields more exquisitely matched panels than figured American gumwood.

Long esteemed abroad now appreciated at home

EUROPE has always recognized the exquisite beauty of a certain American hardwood. Spain pays duty on it, as an "imported" wood of surpassing quality. Cabinetmakers of other countries have long prized its rare individuality, with a texture resembling satin.

Today America claims its own

American Gumwood proudly asserts its name and title to a leading place among cabinet hardwoods. Architects now panel the lobbies of many of our most pretentious hotels with richly figured panels of this native wood, finished in its own natural delicate coloring. Modern homes are enriched by the characteristic



Virgin stand of American Gumwood

warm tones of plain gum woodwork.

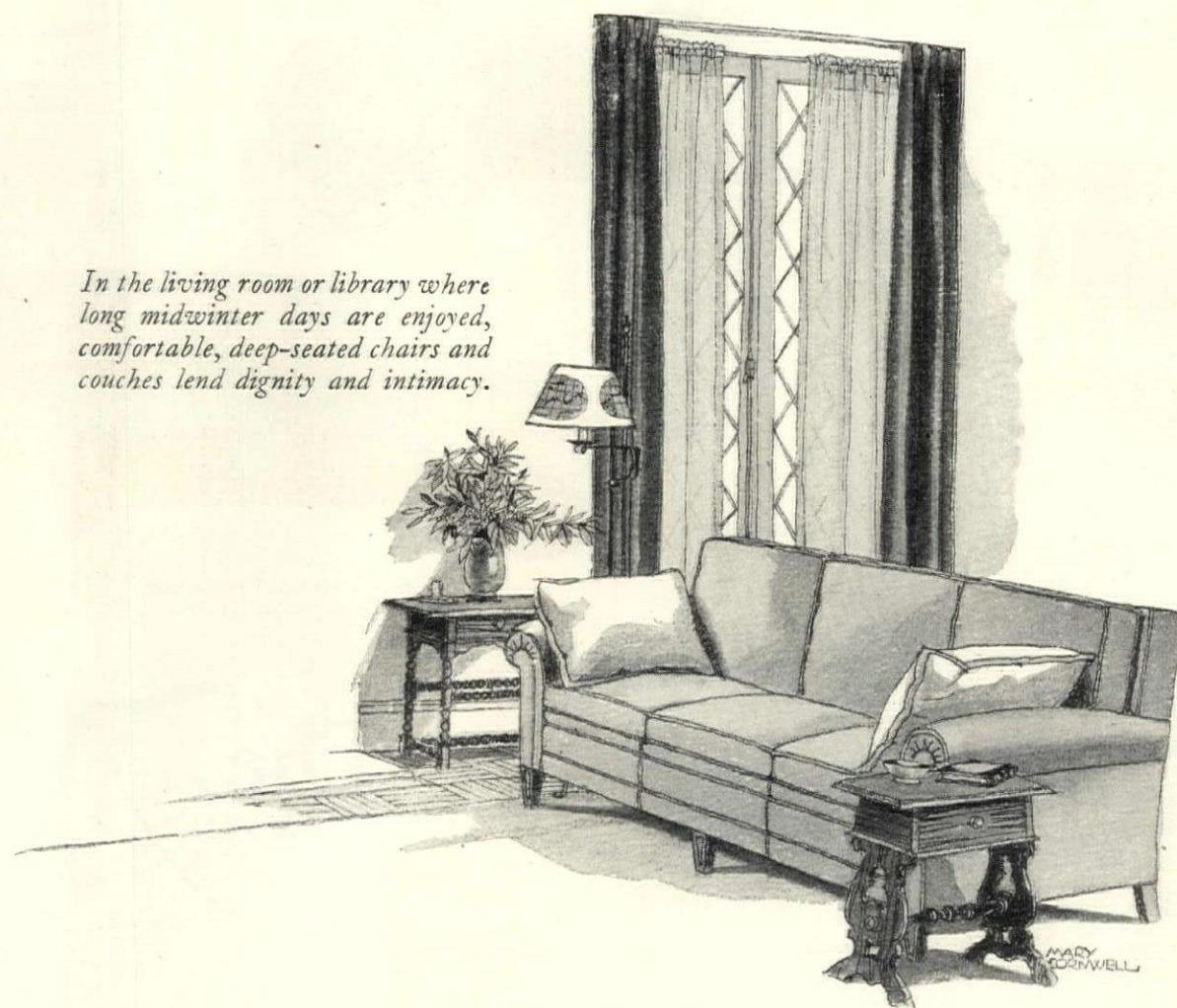
The wood that brings good furniture within reach

Furniture manufacturers have long valued American gumwood in the construction of their best furniture; its structural qualities are proved. It readily takes a finish in harmony with other hardwoods combined with it. More actual value may be put into the design of the piece, in the artistic treatment of other woods selected for surfaces, when gumwood is used for solid parts. The utmost in design, construction, and finish is achieved, with maximum economy. Ask any furniture dealer.

Retail stores the country over offer for sale good furniture in which American gumwood is used; they so advertise it, and endorse it to the public.

Write the Gumwood Service Bureau of the Hardwood Manufacturers Institute, Memphis, Tenn., for further information.

In the living room or library where long midwinter days are enjoyed, comfortable, deep-seated chairs and couches lend dignity and intimacy.



Upholstered Furniture

Made by Our Own Specialists

In our own furniture workrooms, where specialists supervise design and construction, the quality of the work rather than quantity is the goal. So each piece achieves an individuality that distinguishes it from commonplace furniture of this type. The slender, graceful lines of the Tuxedo, Chesterfield, Lawson and many other designs, give them a lightness and delicacy that in no way detracts from their comfort. For they are luxuriously soft and deep-seated, and so well-constructed that they will endure long, hard service and retain their beauty and shape.

SIXTH FLOOR

Lord & Taylor

FIFTH AVENUE • NEW YORK

You may select the colors and upholstery to harmonize with your home, from an extensive collection of fabrics.



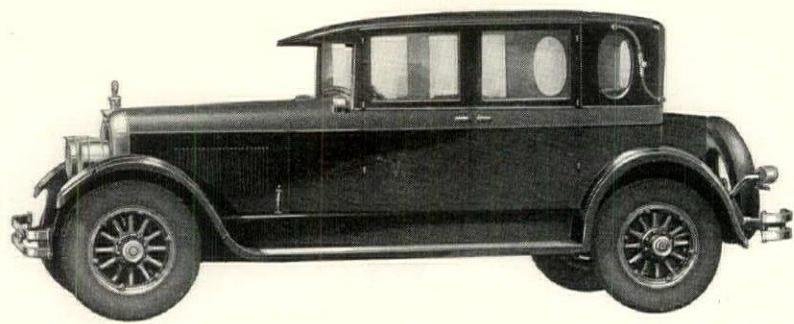
Denim, sateen, mohair, Radnor cloth, velvets, tapestries and a variety of other fabrics of fine quality—plain, figured or striped.



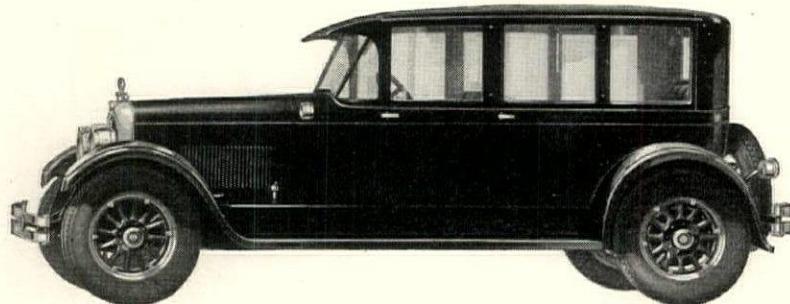
Arm chairs, wing chairs, boudoir chairs, chaises longues, davenports, benches and stools.



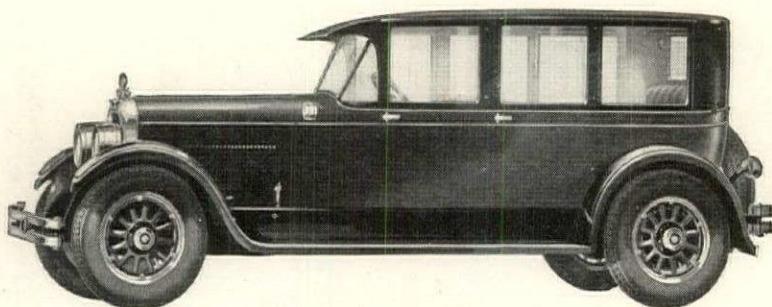
Lawson chairs and davenports covered in striped and plain Radnor cloth and made in our workrooms are shown in the Home Interiors, Sixth Floor.



Only \$130 more than an open car
The New Marmon Brougham Coupe, a
smartly proportioned four-door car for
five passengers, \$3295

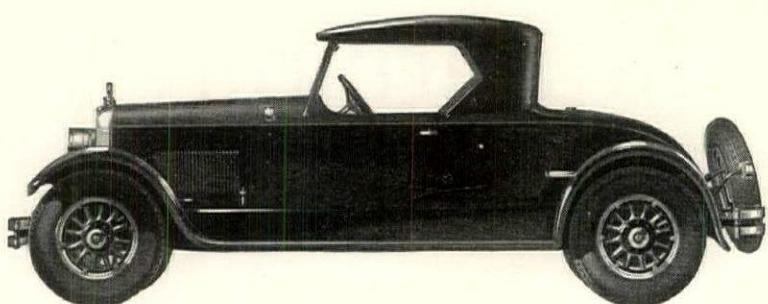


The New Marmon Five-Passenger
Sedan de luxe, \$3775

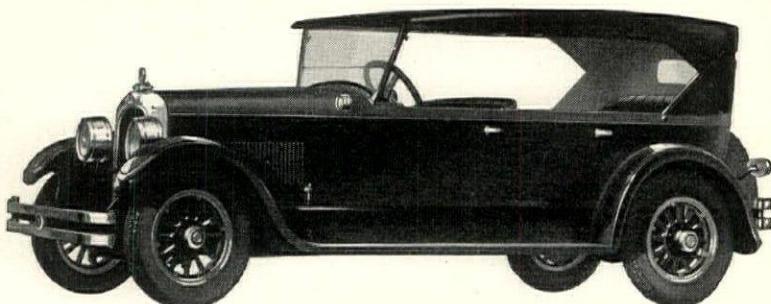


The New Marmon Seven-Passenger
Sedan de luxe, \$3850

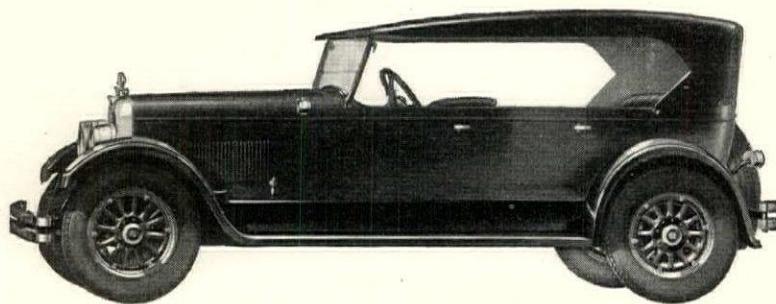
The New



The New Marmon Roadster, \$3165

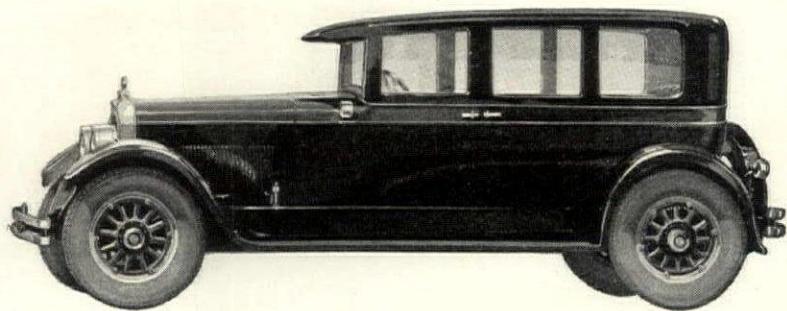


The New Marmon Phaeton,
for five passengers, \$3165



The New Marmon Touring Car,
for seven passengers, \$3165

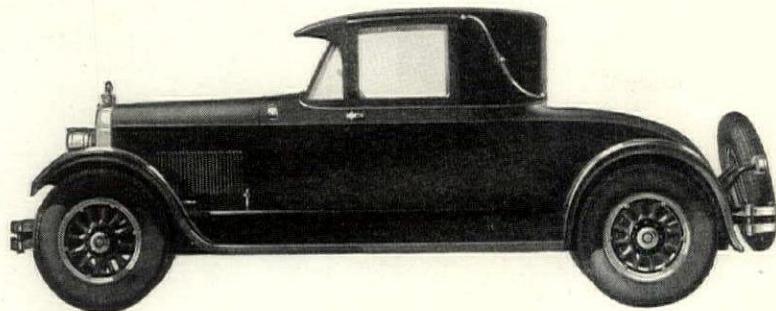
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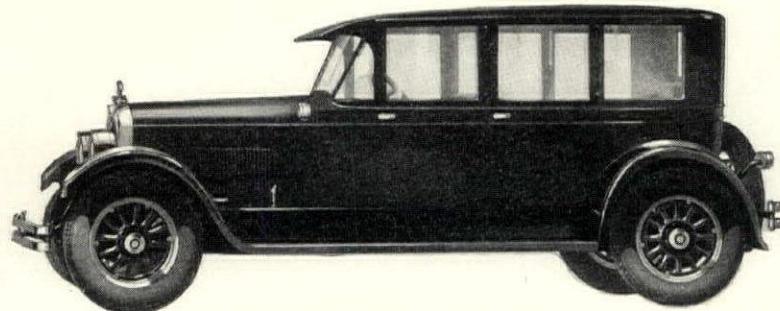
Only \$130 more than an open car—The New Marmon Sedan, a full-sized, four-door Sedan, for five passengers, abounding in luxurious detail, \$3295

MARMON

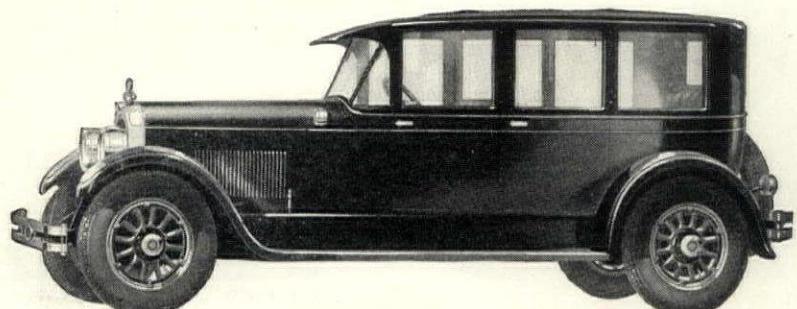
"It's a Great Automobile!"



The New Marmon
Coupe de luxe, \$3455



The New Marmon
Five-Passenger Sedan-
Limousine de luxe,
\$3900



The New Marmon Seven-Passenger
Sedan-Limousine de luxe, \$3975

W HATEVER your motoring habits and inclinations may be, there is one particular model of the *New Marmon* that completely meets your personal requirements. Upon the inherent goodness of the Marmon chassis, the greatest custom tailors of motordom have lavished unstinted charm and beauty in ten different body styles. In one of these *New Marmons* you will find a pleasant and practical realization of your fondest motoring aspirations. And, regardless of which model you choose, time will prove that . . . "It's a Great Automobile!" All cars equipped with full-size balloon tires . . . All prices f. o. b. Indianapolis. Government tax extra.

NORDYKE & MARMON COMPANY
Established 1851 • Indianapolis, Indiana



THE attractiveness of any room—large or small—is dependent upon the proper use of color.

The variety of color combinations and patterns designed by Stedman enables the home owner not only to secure the greatest harmony possible, but also to create a decorative effect that is pleasingly different.

The designs in plain colors, veinings and mottled effects run through the entire depth of the reinforced rubber. Thus the beauty does not fade or wear off but rather improves with each year of use.

Stedman Flooring requires no waxing or oiling, ordinary washing being the only care necessary; it does not dent, crack or wear out even after countless years of service. In fact the cost of installation is the only cost.

Interior decorators and architects specify Stedman Flooring for the better class of homes, clubs, offices, churches, schools, banks and hospitals.

We will be pleased to send you prices and tell you how Stedman Floors can be obtained for one room or many.



NATURIZED FLOORING
PATENTED

STEDMAN PRODUCTS COMPANY

"Originators of Reinforced Rubber Flooring"

SOUTH BRAINTREE, MASSACHUSETTS

Agencies in principal cities

See local telephone directory

104 Park Avenue
NEW YORK

218 South Wabash Avenue
CHICAGO

4 Park Street
BOSTON

1217 Book Building
DETROIT

462 Hippodrome Avenue
CLEVELAND



Pencil drawing from actual
installation of Stedman Flooring

Stedman

REINFORCED RUBBER FLOORING



Only a mirror could give the requisite depth and brilliance to this remarkable arrangement a la chinoise. Photograph by M. E. HEWITT.

THE MAJOR ROLE OF THE MIRROR

IN THE never-ending effort to make the modern home ever more and more beautiful, the mirror plays a more important part today than ever before. Not only in interior decoration, but as a part of the architectural plan of the house itself.

Nowadays one sees at every turn a mirror reflecting the color notes of flower arrangements, the contours of a handsome vase or the long vista of a well-designed hall. Built-in mirrors in the conservatory or sun-room redouble the delicate beauty

of a fountain or the massed greenery of decorative shrubs. Behind

built-in mirrors in bedrooms one finds long rows of frocks and gowns in roomy closets. And the built-in mirror above the mantel takes on a quality of permanence and seems a part of the room itself, far more so than a detachable mirror. Nevertheless, in particularly handsome or unique frames, the detachable mirror is widely used by decorators, not only as an adjunct to a decorative setting, but as the very center of many charming and unusual arrangements.

In boudoirs and dressing-rooms mirrors have, of course, always been a necessity. However, the tendency is to build these as integral parts of the house wherever possible. And as a built-in mirror will last the

lifetime of a house, the modern architect often prefers to include them in his plans rather than install them later, though installation is a comparatively simple matter even after the house is built.

Practically all mirrors are made of Plate Glass. And for brilliance, true vision and durability, mirrors made of American Plate Glass are unsurpassed. Built-in or detachable, they invariably represent a profitable investment in convenience, utility and in the most distinguished good taste.

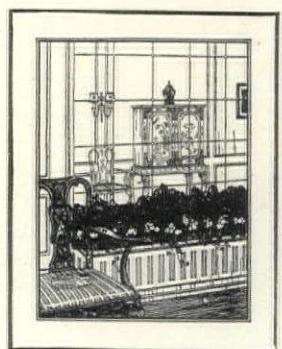
PLATE GLASS
MANUFACTURERS
OF AMERICA.



Built-in or detachable, a mirror above the mantel redoubles the beauty of any room. From photograph by M. E. HEWITT.

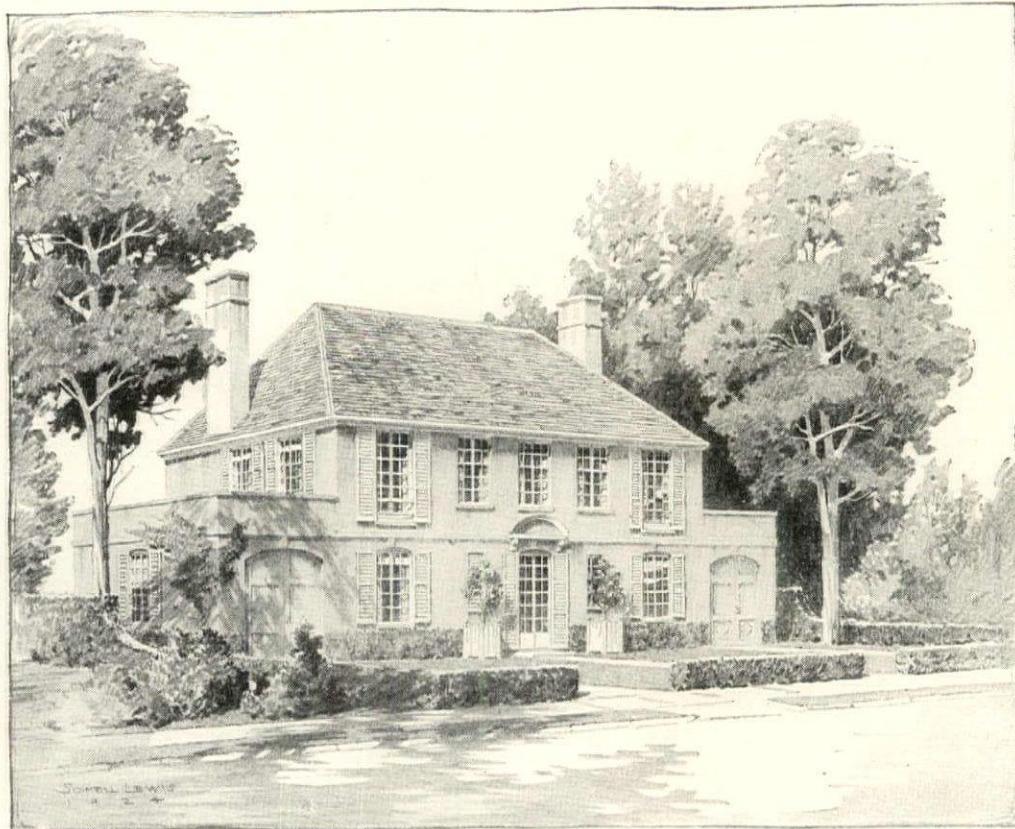


Built-in mirrors open up new vistas when skillfully designed to decorate as well as reflect. From photograph by M. E. HEWITT.



Advertisement

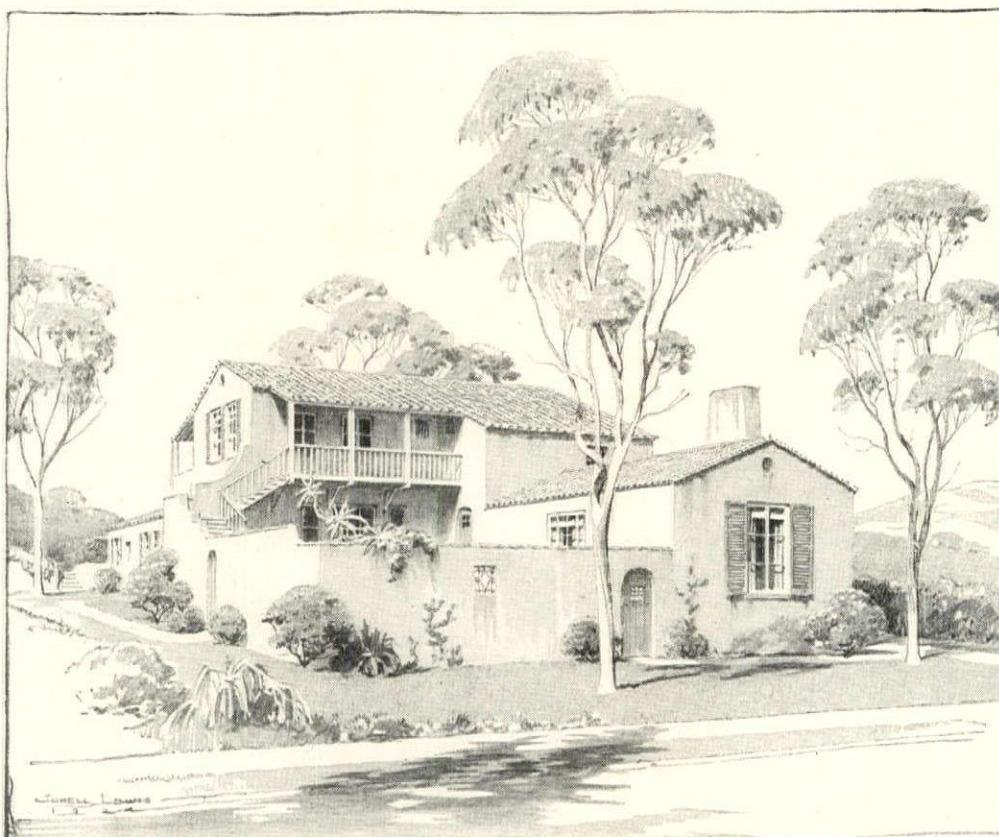
RUST-PROOFING THE PLUMBING



RICHARD H. DANA, JR., Architect

© House & Garden.

* Anaconda Brass Pipe, with Brass fittings, for all the water supply lines of this house cost only \$73.40 more, installed, than galvanized wrought iron pipe with malleable iron fittings—a small sum for complete freedom from the annoyance and expense of repairs and replacements caused by rust.



JOHNSON, KAUFMANN & COATE, Architects

© House & Garden.

* An Additional investment of \$86.72 over the cost of wrought iron pipe pays for Anaconda Brass Pipe. This increased cost is slightly less than $\frac{1}{2}$ of one per cent of the building cost. Anaconda Brass Pipe assures a full flow of water, as pure as its source, from every faucet in the house.

PLUMBING

BY T. D'A. BROPHY

IN opening its series of articles on the Four Ideal Smaller Homes, House and Garden remarks that "the moderately small house has been architecture's step-child."

If this be true, then certainly the small house is also the step-child of the plumbing contractor. For this is the class of building that piles up each year a tremendously high tax on the owner because of a too casual selection of water supply pipe.

In these four Ideal Smaller Homes, the architects have planned with a very direct eye toward convenience and comfort. Yet it hardly needs argument to prove the fallacy of hoping to maintain these conveniences without materials well suited for their work.

Above all, water supply pipe—the very backbone of the whole plumbing system—should be selected to give satisfactory service and last for as long a time as the other main constituent parts of the home.

Until the introduction of Brass Pipe into the field of building construction, first wood, then lead, and more recently steel and iron pipe were the water supply conductors commonly available. Within the past decade or so, steel and iron have been most widely used; and concurrently, the expense of maintaining water supply lines in usable condition increased by leaps and bounds. Careful estimates place this cost—a sheer waste of money and materials—at more than Sixty Million Dollars annually.

The chief destroyer of iron or steel plumbing pipe is rust. It discolors the water, clogs the pipe with a sponge-like growth that steadily reduces the flow, causes leaks and compels costly repairs and replacements. Brass Pipe cannot rust. Therefore, the use of Brass Pipe, such as Anaconda, is decidedly advisable.

A well-known architect has said that his experience proved the expense of ripping out rusted pipe

Advertisement

IN THE FOUR IDEAL SMALLER HOMES

and replacing it, to be from eight to ten times the cost of the pipe when new. In view of this, the slightly higher cost of an original installation of Anaconda Brass Pipe is more than offset by the long service it gives and its freedom from repair expenses.

As a rule, the cost of the pipe—the backbone of every installation of plumbing—is but 10% of the total plumbing cost. Yet pipe failures cause almost 100% of all plumbing troubles and expense. If but a single length of pipe fails, the whole installation is affected, and the item of make-good expense you must incur is not merely the price of the pipe but also the cost of labor plus the accompanying nuisance and inconvenience.

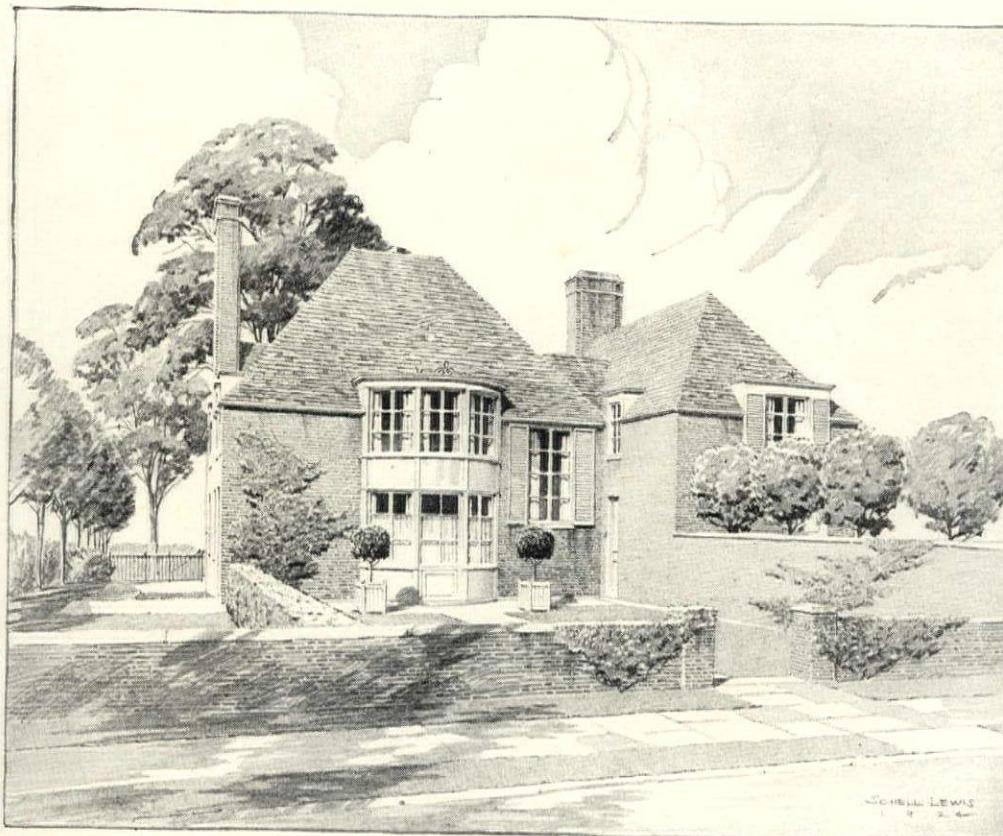
The added cost of Anaconda Brass Pipe increases the cost of the average plumbing installation by only about 6%. But since this increase is spread over the whole life of the building itself, it is true economy to pay for Brass in the beginning and so erase the item of plumbing upkeep from your budget.

In fine, there is every sound reason to include in your home water supply lines of substantial quality. The satisfactory service that Anaconda Brass Pipe gives and the economies effected by its use are fully explained in a most interesting way in a booklet published recently by The American Brass Company. The information in the booklet is of equal interest to Architect and Home-builder. On request, a copy of "Ten Years Hence" will be mailed to you.

The American Brass Company.
General Offices: Waterbury, Conn.
Sales Offices in principal Cities. In
Canada, Anaconda American Brass
Limited, New Toronto, Ontario.

Anaconda Brass Pipe is installed
by leading Plumbing Contractors
everywhere.

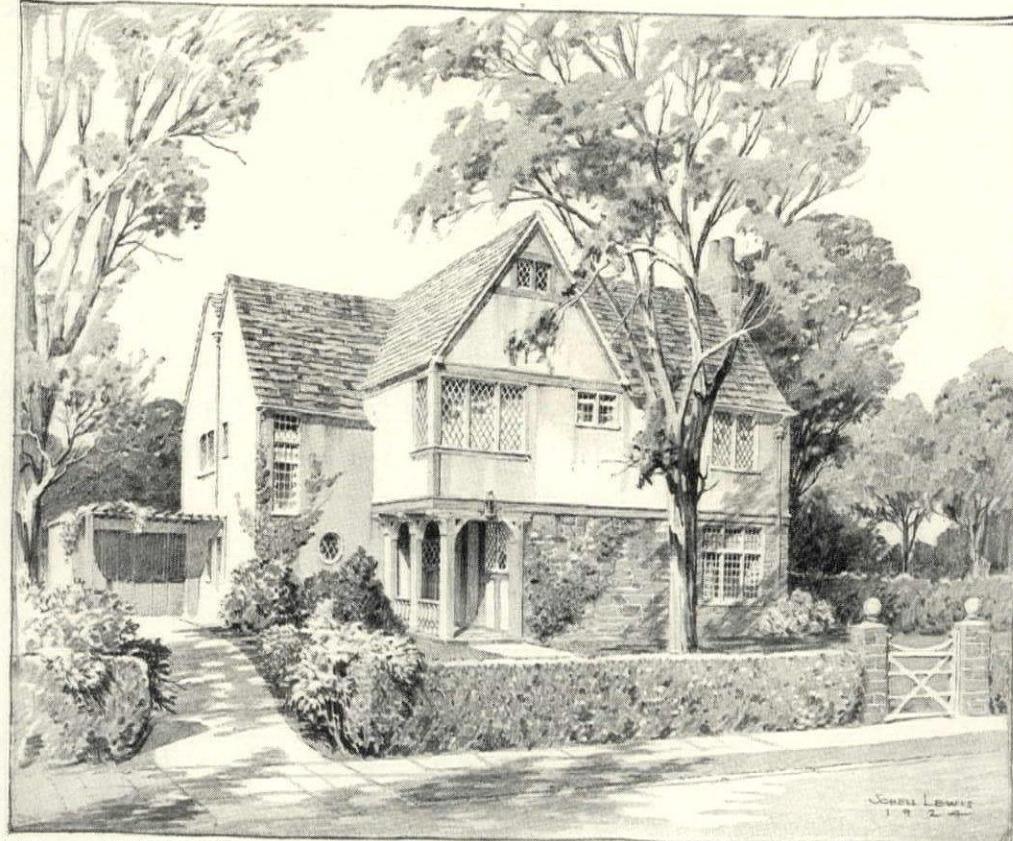
* (Figures based on actual estimates, using material costs in effect November 21st, 1924, with a liberal allowance for profit and overhead. The cost of installing Anaconda Brass Pipe and iron or steel pipe is substantially the same.)



EDMUND B. GILCHRIST, Architect

© House & Garden.

* Here a rust-proof installation of Anaconda Brass Pipe increases the cost only \$94.95 over wrought iron pipe. In other words, 53/100 of one per cent of the building cost represents the difference between the highest quality Brass Pipe and iron pipe.



HOWELL & THOMAS, Architects

© House & Garden.

* An economical plumbing layout brings the cost of Anaconda Brass Pipe to within \$64.20 of that of galvanized wrought iron pipe. The replacement of a single length of rusted pipe, located in a wall or under a floor, would, in all probability, cost more than this.

Going to Build or Buy?

There are so many things to think about in buying or building a home. Will you remember all of them? One dollar for the Safeguard Policy—the infallible guide. It remembers everything—and some things you don't know about.

Makesure that the house you're going to call home is permanent, fire-safe, economical in upkeep, easy to heat and all that it should be in workmanship.

The Safeguard Policy

is a miniature encyclopedia on first class home construction. It emphasizes why certain details should be as described to reduce fire hazard, explains how to build to conserve heat in winter and keep cool in summer, and dwells on the points of workmanship that determine the real value, life and comfort of a home.

Standards for materials and workmanship are completely established by accurate descriptions and illustrations that anyone can understand. A questionnaire is included for those who are about to buy or sell, so that they may know or prove what a home should be and can measure the value of the one in question.

Another page is a construction chart, listing all parts of the house and the materials to use. Space is provided for builder and architect to certify that materials and workmanship are as described.

Thus, the Safeguard Policy provides a means of proving value.

In other words, the only document that has, heretofore, been considered essential is the deed. But that proves only title to the property.

It rivals the deed in importance. For with the deed and the Safeguard Policy you have a complete record of title and value.

Send \$1.00 Today

and receive the Safeguard Policy. See that your architect, builder, and subcontractor follow Master House Standards. See that they register all materials, and describe character of workmanship. Thus you insure your home in both comfort and resale value.

Free Booklet

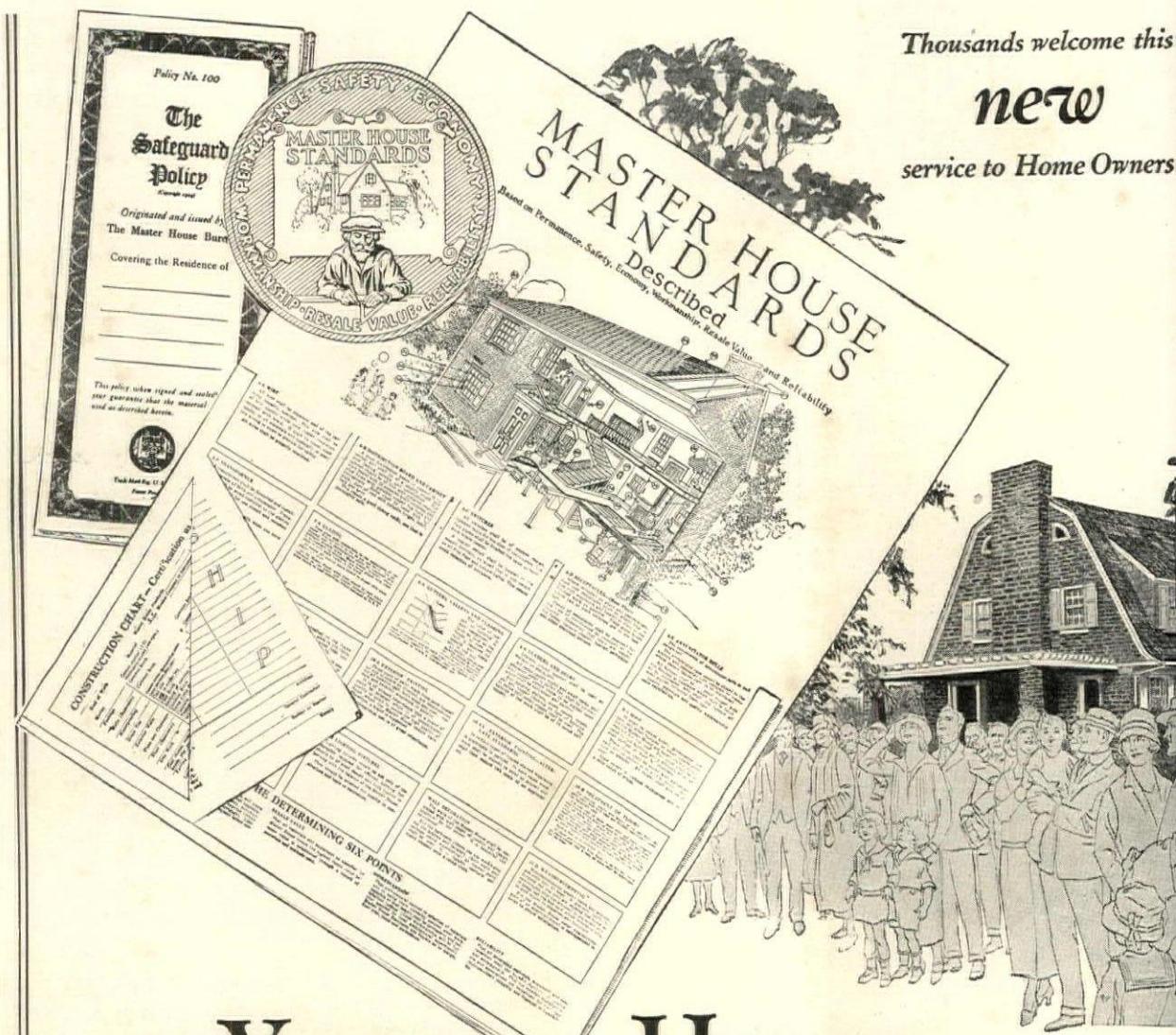
This attractive booklet gives you complete information about the Master House Bureau and the value of the Safeguard Policy.

THE MASTER HOUSE BUREAU

INCORPORATED

An organization, supported by associations and manufacturers, impartially serving home owners in building permanent homes

Thousands welcome this
new
service to Home Owners



Your Home —how *intimately* do you know it?

WHEN you build or buy a home, value is the very essence of the contract. And value depends upon quality of materials and the workmanship employed.

How can you prove they're there? How can you be sure that the house you build or buy is not one of those that will help swell the yearly loss of \$51,000,000 in home fires alone?

How can you tell that it is not so built that it will be a feast for fire—possibly add your life to the

7500 that pay the toll every year for unsafe building?

Here is an infallible means of putting the home on the witness stand—the Safeguard Policy. It remembers everything that you should know—forgets nothing that you might overlook.

Send \$1.00 today and receive the Safeguard Policy—the miniature encyclopedia on home building. Also be sure to get the attractive free booklet which describes both Bureau and Policy.

The Master House Bureau, 2175 Cleveland Discount Bldg., Cleveland	
<input type="checkbox"/> Enclosed please find \$1.00 for Safeguard Policy and free descriptive booklet.	
<input type="checkbox"/> Send free booklet describing Master House Bureau service and Policy.	
Name _____	City and State _____
Street Address _____	

2175 Cleveland Discount Building
Cleveland, Ohio

THIS WAY OF OIL HEATING ENDS ALL DOUBT

SCIENCE has found the right way to heat with oil. And proved it for five years. This way is radically different from the old-fashioned methods. It will interest you to see this oil burner that has solved the problem. You need know nothing of mechanics to understand it.

So far as nearly 20,000 present owners are concerned there is no heating problem. Their homes are always exactly the temperature they enjoy. They smell no fumes. They see no dirt or dust. They hear no unpleasant noise. They know that it is safe beyond question.

You, too, will have this experience when you heat your home this scientific way.

One right way to burn oil

Four new facts about oil burning were first used by our engineers six years ago. They are the now famous four natural laws. They explained the difficulties others were having in trying to burn oil.

So we built an oil burner in accordance with those laws. For five winters, now, Oil-O-Matic has answered every demand in thousands of homes, large and small.

When you buy an oil burner see that it agrees with these laws. If you follow them you cannot go wrong. Here they are:

The four famous laws

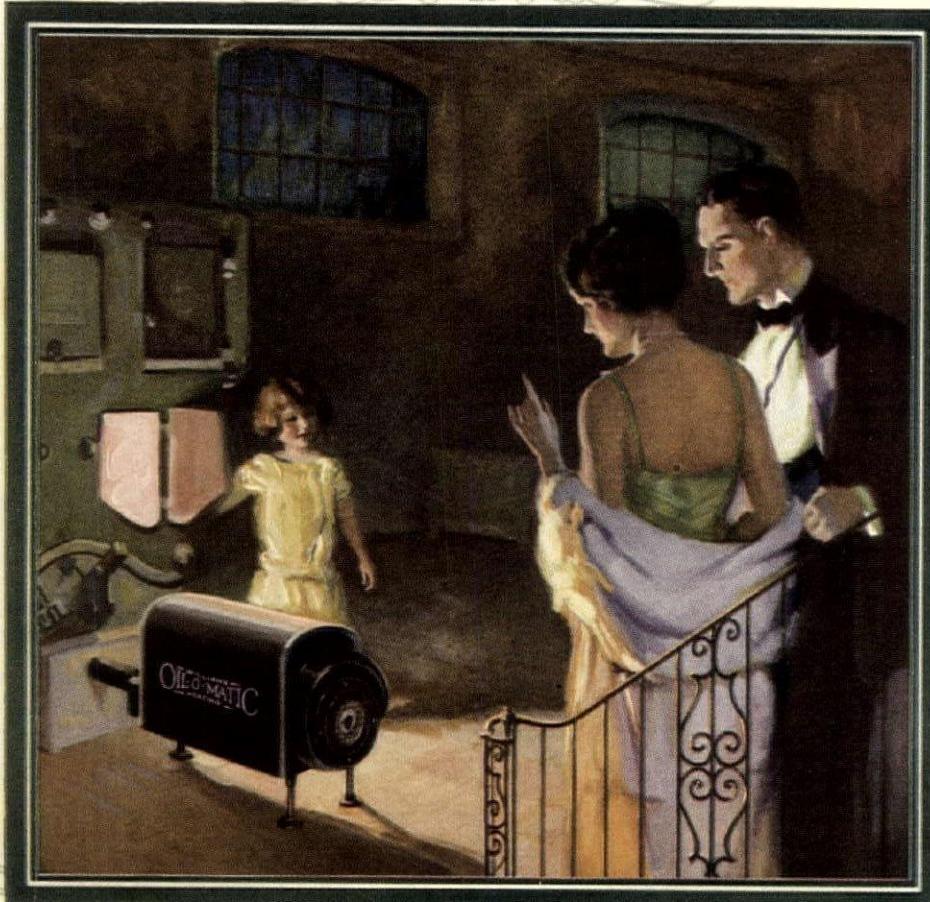
The first law says that oil must be broken up into a fine mist. All other ways violate this law!

After the oil is broken up, the second law demands that it be burned before it touches anything. Carbon and soot will surely result otherwise. So no plates, pots, chamber or any part of an oil burner should be inside your furnace or boiler.

According to the third law, the amount of air that is mixed with the oil must be exact. Naturally this cannot be left to someone's opening or closing a damper. The oil burner itself must measure the amount of air.

The fourth law is just as important. Oil cannot burn perfectly without reflected heat. So unless the firebox of your heating plant is lined with brick, it is impossible to get perfect combustion.

It is this way of burning oil that has made the use of fuel oil really successful for heating homes.



WILLIAMS OIL-O-MATIC HEATING

Before You Build Get These Facts

Your new home may require a smaller and more economical heating plant with Oil-O-Matic.
Your heating plant may be placed in a more advantageous location.

You can save money by having a smaller basement excavation.

Our new illustrated book on modern heating covers the subject of new homes and has valuable architectural plans for ideal, practical basements. This book may save you hundreds of dollars. Write for it.

It is the method found only in Oil-O-Matic.

Note these exclusive features

There are other features that make Oil-O-Matic different from any other device that burns oil.

We originated and perfected five years ago the Williams Thermal Safety Control. It put an end to the open can designed to catch liquid fuel oil. It ended all worry about the oil not lighting or blowing out.

This positive device watches over your entire plant. Oil-O-Matic can't run at all, unless it runs right. Not a drop of oil can

flow. The motor is stopped. Ignition is shut off. This control is the greatest advance in oil burner construction since our application of the four laws.

Listed as standard by the Underwriters' Laboratories

Of course there's no continuous pilot light. That is too wasteful of gas. It has no place on a modern oil burner.

Oil-O-Matic burns a cheap, low gravity oil instead of expensive kerosene and distillate. This gives you more heat units at a lower cost. There will always be an abundance of low-gravity oil.

So this perfected way, approved by leading combustion engineers, ends all doubt. Now no one need be without the comforts of oil heating. Oil-O-Matic can be installed in any good heating plant. Steam, hot water, vapor, hot air.

Sold on easy terms—Guaranteed

The men who install and service your Oil-O-Matic are all trained men. Most of them are graduates of the Williams Institute of Heat Research. They have experience, facilities, organization, and financial responsibility. They are backed by the largest producers of automatic oil burners in the world.

They will be glad to offer you terms if you want them. Our new deferred payment plan carries no interest on the notes.

Get the facts now. See it demonstrated. Send the coupon for a copy of "New Facts About Oil Heating." It will answer every question. After you read it you will never go back to coal.

C. U. WILLIAMS & SON
Main Office and Plant Bloomington, Illinois
Largest Producers of Automatic Oil Burners in the World
Dealers Everywhere

MAIL THIS FOR FREE BOOK!

C. U. WILLIAMS & SON, Bloomington, Ill. H. G. 1-25
Please send me at once your booklet, "New Facts About Oil Heating," giving full information about the Oil-O-Matic, and special basement plans for new homes.

Name _____

Address _____

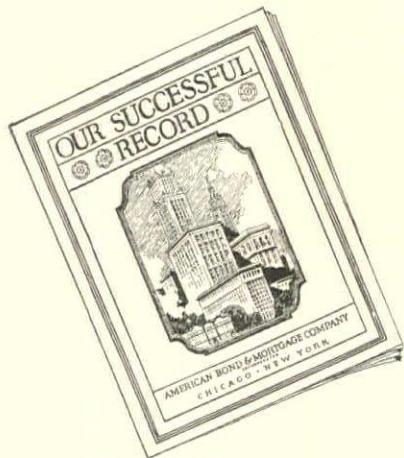
Our Heating Plant is Steam Hot Water Vapor Hot Air

It is to Your Profit

When you buy bonds to know that they are safe.

To be sure that the bonds you buy are safe, examine the record and the safeguards of your investment house.

The American Bond & Mortgage Company has stood the test of time for over 20 years. Its founders and senior officers have been active exclusively in the real estate investment field for near to half a century.



"*Our Successful Record*" is a detailed record of the First Mortgage Building Bonds sold by this company.

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Literature H. G. 168

AMERICAN BOND & MORTGAGE CO.
ESTABLISHED 1904

AN OLD RESPONSIBLE HOUSE

127 North Dearborn Street, Chicago

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Capital and Surplus over \$5,000,000

Cleveland, Detroit, Boston, Philadelphia, and over twenty other cities



American Club, Kohler, Wisconsin

The Village of Kohler, a delight to city planners everywhere, surrounds the making of Kohler products—enameled plumbing ware and private electric plants—with an atmosphere which fosters quality

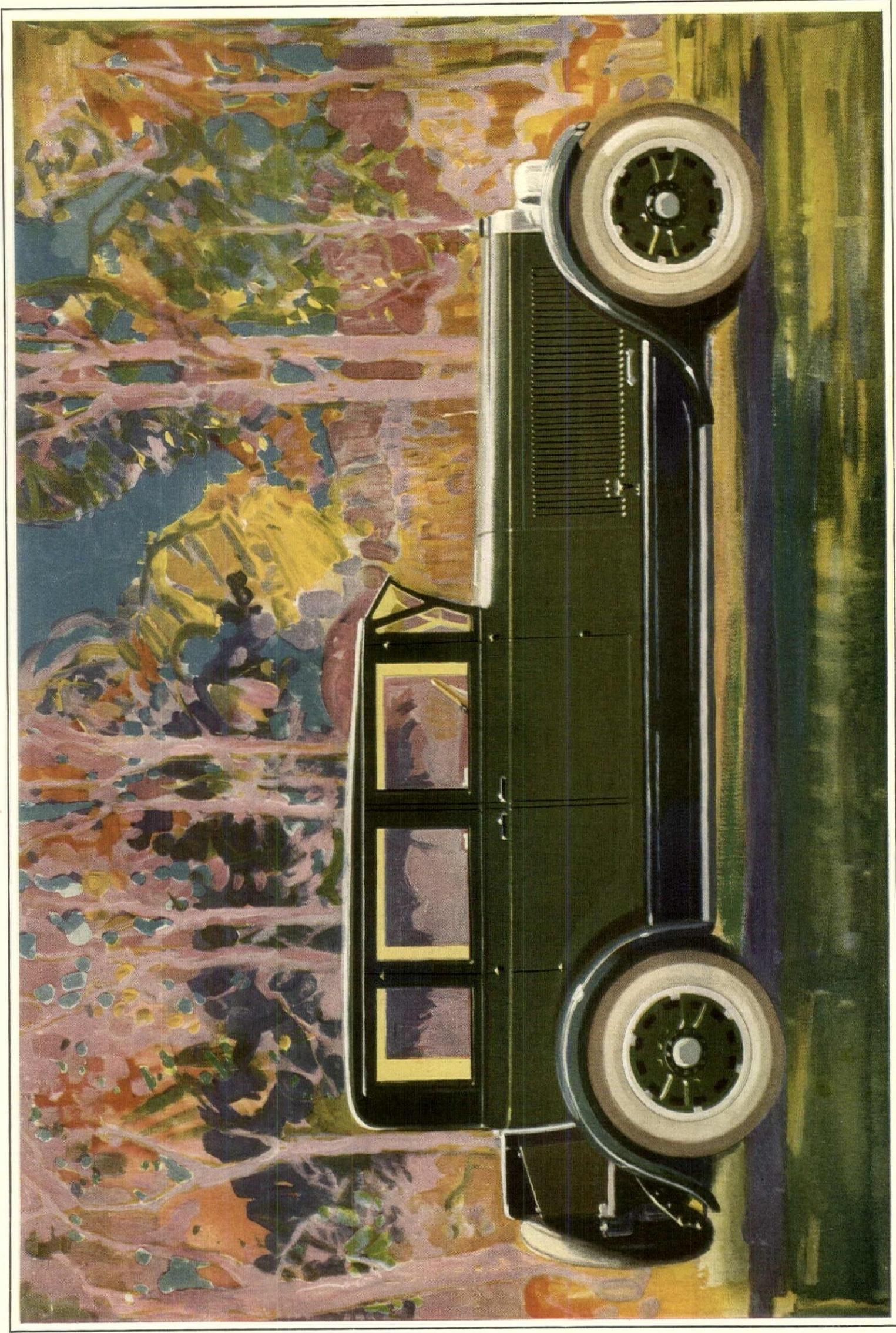
KHOSE who know about such things, place Kohler Enamelled Plumbing Ware in a rather special and exclusive class. They recognize in its correct and beautiful design, in its snowy purity of color, and in the superb refinement of its enamel, the quiet signs which distinguish the exceptional from the merely good.

And yet, your plumbing dealer will tell you that Kohler Ware costs no more than other ware of acceptable quality. . . . So, when you select plumbing fixtures for bathroom, kitchen, or laundry, look for the name "Kohler" unobtrusively fused into the enamel. Let us send you Booklet E.

Kohler Co., Founded 1873, Kohler, Wisconsin
Shipping Point, Sheboygan, Wisconsin
BRANCHES IN PRINCIPAL CITIES

KOHLER OF KOHLER

Enamelled Plumbing Ware



The Great Jordan Line Eight Brougham

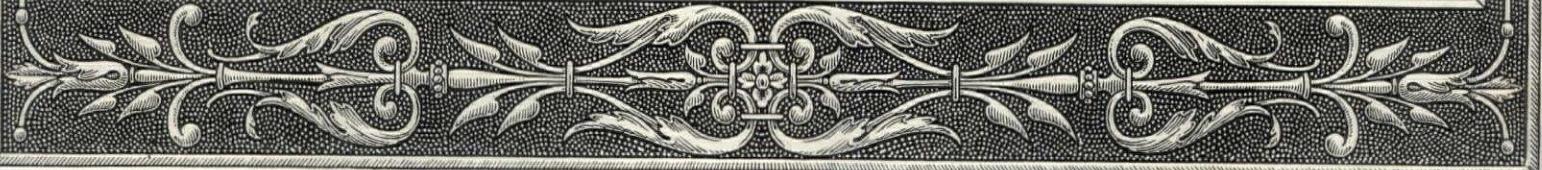


The public now
knows no finer
thing can be said
of a fine car than
the fact that it is
equipped with

DéJon

Starting, Lighting and Ignition System

DEJON ELECTRIC CORPORATION
Builders Ignition Technique
POUGHKEEPSIE, NEW YORK



Looks like tile but costs much less

Have you been wishing you could afford tiled walls for your kitchen, bathroom, lavatory or laundry?

You can have every advantage of tile—its gleaming, washable surface, its smooth and sanitary finish, its rock-like durability—at less than one-fourth the cost of tile.

All you have to do is use Sheetrock Tile Board.

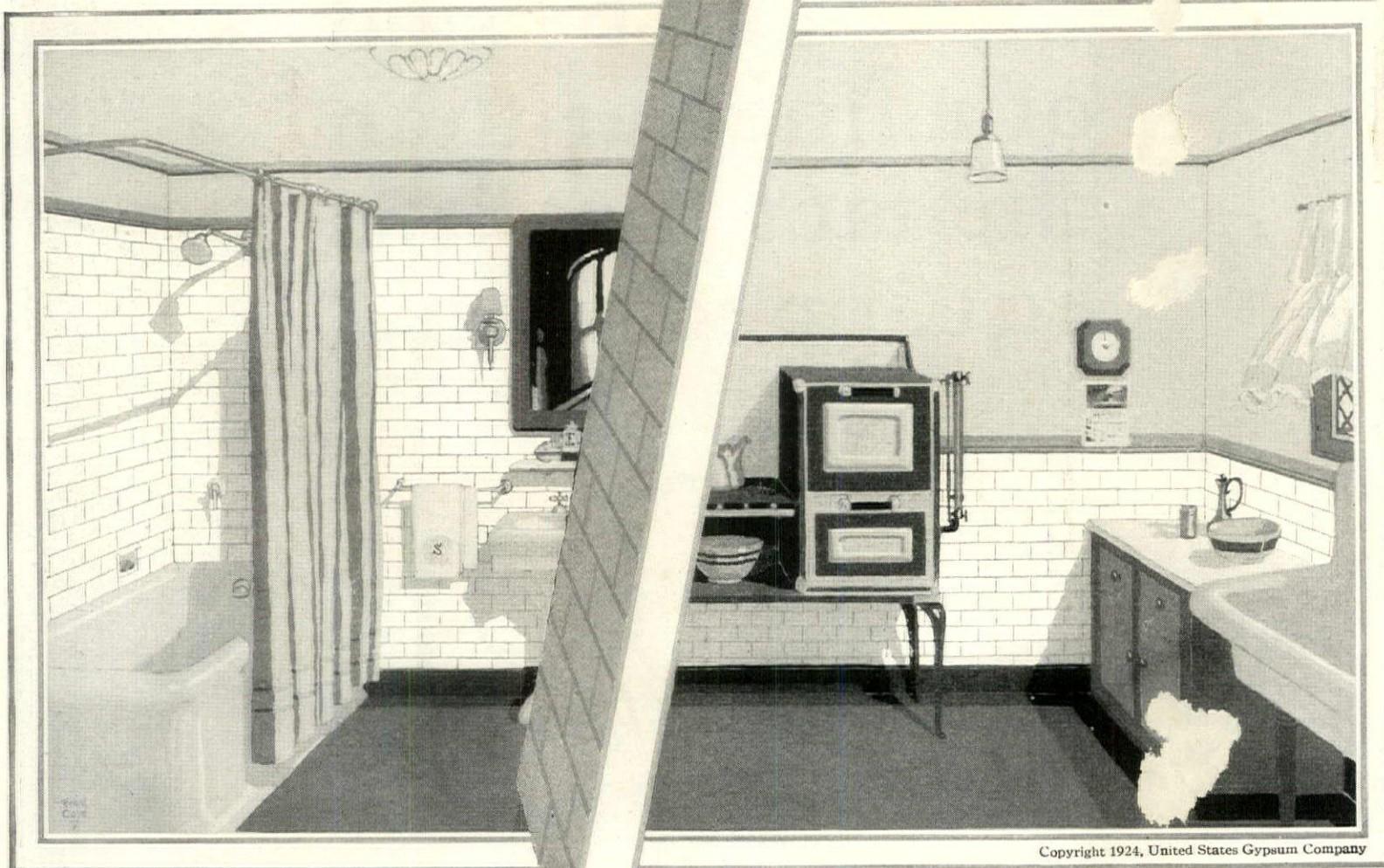
Sheetrock Tile Board is Sheetrock with a special surface, lined off to look exactly like genuine tile, and capable of taking a hard enamel, in either pure white or a wide variety of tints.

Once enameled, it can be washed repeatedly and so kept spotlessly clean. It is ideal wainscoting material for home rooms, hospitals, dairies, doctors' and dentists' offices, barber shops, restaurants.

Sheetrock Tile Board is just as easy to work with as Sheetrock itself. It, too, comes all ready for use, in most economical dimensions; saws and nails like lumber; just nail it to the studs or put it on right over old walls. *Durable, solid, non-warping.*

Your dealer in lumber or builders' supplies sells Sheetrock Tile Board—the only *fireproof* tile board. Any quantity you may need. Write us for free folder describing its easy, economical and satisfactory use.

UNITED STATES GYPSUM COMPANY
General Offices: 207 West Monroe Street, Chicago



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SHEETROCK

The **FIREPROOF WALLBOARD**

Reg. U. S. Pat. Off.



Build with Pondosa—the pick o' the pines

FROM the Inland Empire of the Great Northwest, where the trees seem to grow a little taller and a little straighter, comes Pondosa Pine—sovereign of softwoods. Here is the all-purpose building material. It is light in weight, yet strong. It takes a beautiful finish and is economical to use. Every trade-marked stick of Pondosa Pine is rigidly graded, thoroughly seasoned and carefully milled. For sale by all good lumber dealers. Write for booklet. Address Dept. 10, Western Pine Manufacturers Association of Portland, Oregon.

Pondosa Pine
The Pick o' the Pines

IMPORTANCE OF FLOORS IN INTERIOR DECORATION

Artistry in selecting beautifully grained wood and in finishing in new tones to harmonize with the color scheme assures more attractive interiors.

MARY EDGINGTON WIDNEY

NOW that many leading decorators use floors as the key to their scheme of decoration, oak is playing a more important role than ever before. Because of its beauty of grain, excellent finishing qualities, and great durability, oak has always been the preferred wood for floors. But of late a new vogue has expressed itself that promises to give greater scope to the possibilities of the decorator.

By the use of two new tones with which oak can be finished, together with the natural or weathered finish, the various rooms of a home may be given more individual treatment. In many of the newer dwellings a natural finish is used in the library and living rooms. In the dining room the new soft gray finish is relied upon to lend greater charm to the furniture, drapes and wall tones. A very lovely "forest green," suggestive of whispering tree tops, has been found to be ideally suited to oak floors in the sun rooms.

The effect of floors in different tones is charming. Each adapts itself perfectly to the requirements of the particular scheme of interior decoration used in that room. This choice of finish now opens up an entirely new field in interior arrangement. A greater variety of wall tones and drapes may be used. Choice pieces of furniture take on new distinction. The beauty of rare floor coverings is enhanced.

The velvety lustre that oak takes, makes it admirably suited for use in all the principal rooms. Wide expanses of shimmeringly beautiful oak floors afford perspective. Even modest pieces of furniture show to better advantage. Wall tones, pictures and hangings indicate a

finer taste. And above all there is a homelike atmosphere pervading each room.

Everyone with a keen appreciation of interior arrangement recognizes in oak floors beauty spots that enhance the charm of any room. It is these beauty spots in the home that are unfortunately overlooked by some people who do not realize that a properly finished oak floor lends tone to even the most modestly furnished room.

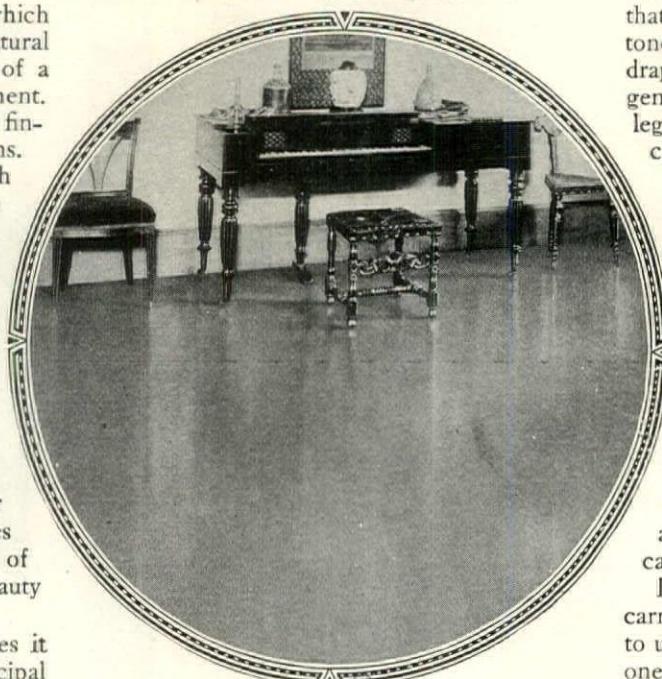
To give attention to your wall tones and the character and harmony of your appointments, to the exclusion of your floors, is to overlook the beauty spots that lend to every other phase of interior decorating the final touch of refinement.

You can easily bring infinitely greater charm to your own home. "Perfection" Oak Flooring will enhance the beauty of every piece of furniture. It will serve as a mellow ground color that will harmonize perfectly with your wall tones, and add distinction to your pictures and drapes. "Perfection" will remain beautiful for generations. It never needs replacement. It is a legacy that you may leave to your children's children, and it will be modern then.

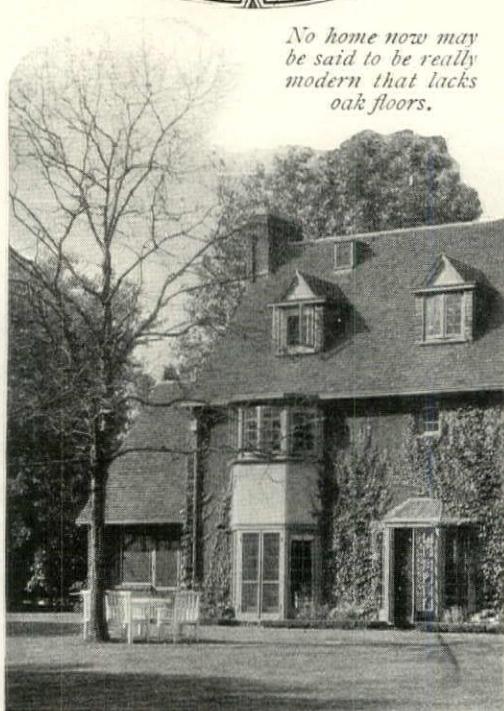
Of course, the ideal time to consider the wisdom of "Perfection" Oak Floors, is when you are planning your home. Knowing how these floors become beauty spots of rare charm, you can better plan each step in the furnishing and decorating of your home. There is also a special thickness of "Perfection" Oak Flooring ($\frac{3}{8}$ of an inch) which is made to be laid over old floors, using the present floor as a foundation. With this, even those who failed to install oak floors when building, may do so now any time, at a cost that is actually less than the cost of sufficient good carpet to cover the space.

If you do not readily find a lumber dealer who carries "Perfection" Brand Oak Flooring write to us and we will advise you of the address of one who does. We would be pleased to send you a copy of our latest booklet "The Overlooked Beauty Spots in Your Home." A request will bring it by return post.

Arkansas Oak Flooring Co., Pine Bluff, Ark.



No home now may be said to be really modern that lacks oak floors.



Beautiful waxed oak floors in this living room afford the proper setting for the luxurious pieces grouped about the fireplace.

"PERFECTION" Brand Oak Flooring



Reg. U. S. Pat. Off.

Wide expanse of lustrous oak floors help to give an airy coolness to this dining room.



Your Home, Built of This Finer Siding, Will Be Beautiful, Easier to Heat, Lasting!

WESTERN RED CEDAR laughs at rot. It is the wood of woods for all outside uses. It contains a natural oil that arms it against decay. Its free texture holds a multitude of air pockets which help keep out cold in winter and heat in summer.

Beauty and permanence are sure when Western Red Cedar is used. For the *finer* uses of siding it has no equal. It assures tight joints that "stay tight." It assures economy of upkeep. It assures a durable paint job.

The safest way to judge of the fitness of Western Red Cedar for your particular needs is to learn the facts about it now. Reliable information will be sent, gratis, if you will mail the attached coupon.

RED CEDAR LUMBER MANUFACTURERS' ASSOCIATION
4447 White Building

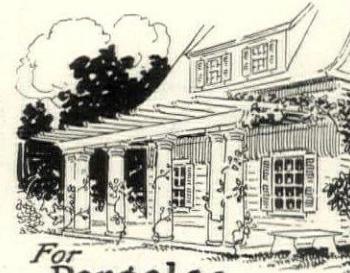
Seattle, Washington

**Western
Red Cedar**

"The Wood That Nature Armed Against Decay"



Western Red Cedar resists rot,
"stays put" and takes paint
beautifully.



Western Red Cedar's durability under weather exposure makes it almost ideal.



Western Red Cedar holds its finish and lasts a lifetime.



Western Red Cedar is easily worked and neither shrinks nor rots.

MAIL IT NOW	
Red Cedar Lbr. Mfgrs.' Assn., 4447 White Bldg., Seattle, Wn.	
Please send, without obligation to me, information and data about Western Red Cedar.	
Name
St. and No.
City
State

Just inside your Threshold

FIRST impressions are favorable, if Bruce oak floors display their beautiful lustrous expanse, as the visitor crosses your threshold.

Reflecting in their polished surface the charm of furniture and hangings, gleaming in the sunlight in the spaces between your rugs, they are in the truest sense the foundation of your room decoration. No longer need a floor be merely something to walk upon, or a mere structural detail in the building of a home. When Bruce oak strips are laid, in one of several grades and finishes suitable to the room, harmony is at

once established, and the effect of the interior immediately enriched.

Not a luxury

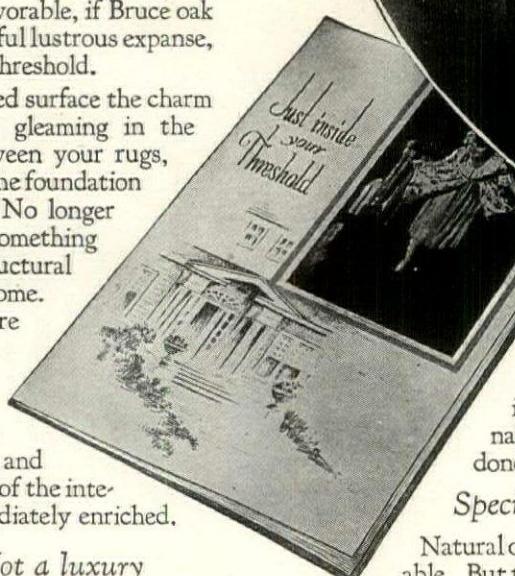
Bruce oak floors are a necessity in a modern home. Their cost has been brought within reach of the most modest purse. There is no longer any excuse for the old-fashioned softwood floor with its dirt-catching and germ-laden carpet. Such floors required constant sweeping to keep them in a semblance of cleanliness. Now with Bruce flooring, housework is reduced to a minimum. As to cost, they are cheaper than softwood floors and carpets, when their greater durability and lasting value are considered.

What to consider in selecting floors

To select Bruce floors in perfect accord with the balance of your home you are offered considerable latitude. You may choose white or red oak, plain or quarter sawn, narrow or wide strips. Each has its characteristic effect, and interesting variety may be obtained by treating each room differently. Quarter sawn strips, because of their more striking beauty, add the final touch of elegance to the main living rooms of your home. Various patterns of design flooring, such as herringbone or basket weave, give further scope for the exercise of individual taste.

Oak over old floors

An old worn softwood floor makes a serviceable sub-floor, over which $\frac{3}{8}$ -inch oak strips



may be laid. The result is as sound and enduring a floor, as if thicker oak flooring had been laid originally. The work may be done one room at a time.

Special color finishes

Natural oak finish is always suitable. But there are special shades, such as "weathered" or gray, which will harmonize with the color scheme adopted, and make each room individual and distinctive.

Let us tell you more about the convenience, economy, and beauty of Bruce oak flooring. Our new book "Just Inside Your Threshold" is a mine of valuable information. Sent to those interested in building or remodeling a home.

Address Service Department

E. L. BRUCE COMPANY, MEMPHIS, TENN.

Largest makers of oak flooring in the world
Sold nationally through retail lumber dealers everywhere



Write for free sample of "Ceda'line," and descriptive literature.

Eliminating Moth Worries

"Ceda'lined" clothes closets provide a place where your garments can hang on regular hangers, and still be protected from moths and dust. Superior to cedar chests because clothes are not mussed, and may be easily found and removed.

Bruce "Ceda'line" strips are made from Tennessee aromatic red cedar, and retain an odor repellent to moths. Strips may be laid over lath and plaster in an old home, or will take the place of lath and plaster in new construction at about the same cost.

Your nearest lumber dealer will gladly give you a quotation on the amount required to line your closets.

"When you asked me to see your new Bruce floors, I knew what a beautiful room this would be."



Bruce "Ceda'line" can be installed in a few hours by any carpenter. Modern ceda'lined closets will be an important factor in the value of your home, when you come to sell.



This interesting folder on the advantages of "Ceda'line," free on request.

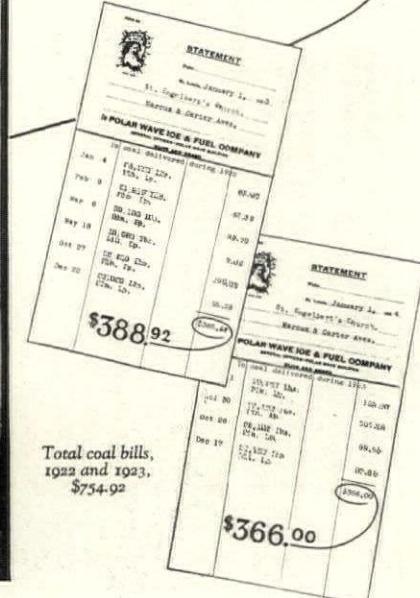
St. Engelbert's Coal Bills

Without Monarch Strips



St. Engelbert's Parish House at Carter and Marcus Avenues, St. Louis. Monarch Metal Weather Strips installed by W. J. Moslank, Monarch Licensee, 4800 Delmar Boulevard, St. Louis.

With Monarch Strips



Cut \$490.43 First Two Years By Investment of \$255 in Monarch Metal Weather Strips

In 1920 the coal bill for St. Engelbert's parish house, church and school reached the staggering total of \$644.35. In 1921, the coal bill was but little less—\$601.00.

But in 1922, Monarch Interlocking Metal Weather Strips went on the 41 windows and 7 doors of the 15-room parish house—and that year the coal bill dropped to \$388.92. And in 1923 the total amount spent for coal was but \$366.00!

\$490.43 Saved in 2 Years—an average of \$5.11 per opening per year

In two short years Monarch Strips had saved \$490.43 worth of coal for St. Engelbert's! And each year hence, as long as this house lasts, they will continue to pay the pastor of St. Engelbert's a handsome profit on his investment.

Multiply the saving per opening in the house of St. Engelbert's pastor by the number of windows and doors in your house, and deduct from last year's coal bill. The result will show the yearly fuel saving Monarch Strips will effect for you.

How Monarch Strips Save Fuel

There is at least a $\frac{1}{8}$ -inch crack around every window in your house, just as in the house of St. Engelbert's pastor. This $\frac{1}{8}$ -inch crack around and across the middle of a 3x6-foot double-hung window is 21 feet long—equal to a 5x6-inch hole, or 30 square inches. Cold air filters in thru that crack, and your money-made heat leaks out.

Monarch Interlocking Metal Weather Strips No. 400 are the only strips which will effectively control this crack and cut coal bills. No other strips can.

Even with tongue-and-groove (rib) type strips on your windows, you must burn at least *473 pounds of coal per window per year to maintain an inside temperature of 70° with the outside temperature at zero.

With Monarch Strips No. 400 on your windows, *296 pounds of coal per window per year will easily supply abundant heat to maintain an inside temperature of 70°, regardless of outside weather conditions. This is a saving of at least 177 pounds of coal per window per

year—every year as long as your house lasts. For Monarch Strips not only last as long as the house itself, but always work as well as new.

Send Coupon for Free Booklet

At the bottom of this page is a coupon which will bring you, free, a copy of our new booklet, "Only $\frac{1}{8}$ of an Inch." This booklet tells why weather strips are necessary on every house—why old-style tongue-and-groove (rib) type strips are a wasteful extravagance—and why Monarch Interlocking Metal Weather Strips, the scientifically modern type, alone control air leakage thru windows and doors, and save fuel. Clip, fill in and mail the coupon—NOW.

* Based on 3x6-foot double-hung window, which is the average.

MONARCH METAL PRODUCTS CO.
4920 Penrose St. St. Louis, Mo.

Representatives in All Principal Cities



Monarch Metal Products Co.
4920 Penrose St., St. Louis, Mo.
Please send me free copy of your new booklet, "Only $\frac{1}{8}$ of an Inch."

Name _____

Address _____

MONARCH METAL WEATHER STRIPS

Interlocking Type No. 400—Standard Control of Air Infiltration (leaky windows and doors)



Construction—Stucco over Hollow Tile. Built at Birmingham, Alabama, in 1922
Cost complete \$20,000.00

HOMES OF INDIVIDUALITY AND BEAUTY

ABILITY to give freest expression to individual taste, to individual need, to artistic beauty in line and treatment, together with age-defying permanency, is inherent in Hollow Tile construction.

The remarkable savings effected through the use of this modern, preferred building material apply proportionately to large or small residences. For small homes the cost of Hollow Tile construction is surprisingly low, often less than common inflammable construction.

Besides it has high fire resistance. Carries low insurance rate. Walls of Hollow Tile will not sag, warp, crack, or decay, thus investment value is maintained. Upkeep is held at a minimum, for there

are no costly repairs or replacements. Painting is for trim only. Add to these the fuel saving due to the superior insulation of Hollow Tile against cold and moisture. It also bars out summer's heat and promotes healthful sanitary conditions.

Hollow Tile

The Most Economical Form of Permanent Construction

Whether you are building a residence or a structure for any other purpose, you should without fail secure first hand knowledge of the adaptability and price supremacy of Hollow Tile.

Hollow Building Tile Association

14th Floor Conway Building
Chicago, Illinois



Construction—Face Tile. Built at Ames, Iowa, in 1922
Cost about \$7,500.00

A book of Hollow Tile Residences both low and high in cost are shown together with authoritative articles on decoration of home and grounds. Price 25 cents, sent postpaid



Construction—Face brick over Hollow Tile. Built at Terre Haute, Indiana, in 1923. House and garage \$10,000.00

HERE ARE SOME TYPICAL EXAMPLES OF CURTIS WOODWORK

Every window has two sides

Whether you are on the outside looking in or on the inside looking out, there is romance in a window. Through it one may see the spirit of a home. Through it filter golden rays of sunshine which brighten the hours of peaceful hominess. From it, at night, shaded mellow beams pierce the outside blackness, radiating the warmth and sweetness of home.

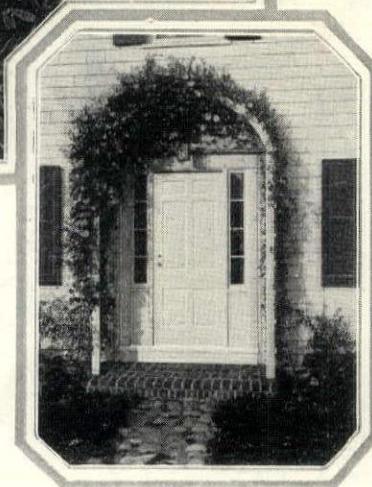
There is a practical side too. Closed, it protects from the elements. Open, it lets in life-giving oxygen and freshness.

In making windows Curtis has developed a method which makes them perfect. You can get some idea of the beauty in the proportions of this Curtis window and in the charming shutters which are not only decorative, but most practical.

Curtis windows fit in their frames without a flaw. They won't rattle or stick or leak because of special construction which the Curtis dealer will point out to you. In correspondence refer to C-1025.

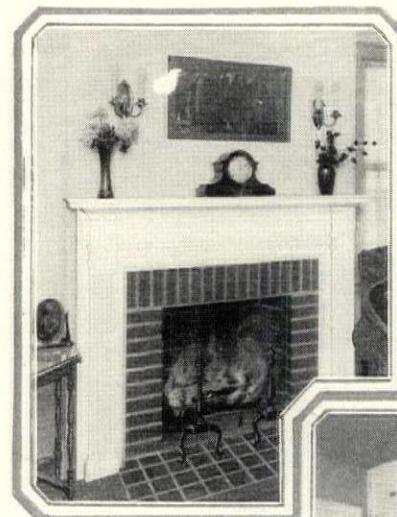


Curtis window Number C-1025
in the home of Mr. Charles E. Sammis, Jr., West Neck Avenue, Huntington, Long Island.



The Front Door

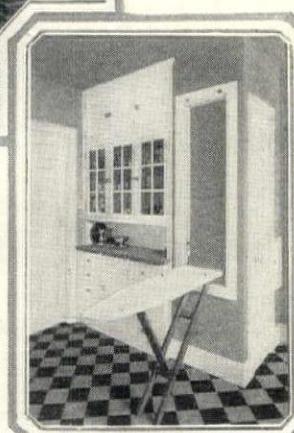
A Colonial entrance made by Curtis and recently photographed at the home of Spencer Young, 119 Woolsey Avenue, Huntington, Long Island. The door is one of those pure Colonial designs with six panels of unusual thickness. Price on entrance C-105 including door C-220 averages \$49.70. Trellis not included.



The center of the family circle

This Curtis mantel was photographed in a home near New York City. It is a Colonial, authentic in every detail and of solid construction.

If you will see the exhibit of Curtis mantels at the Curtis dealers you will be impressed by the studied beauty and special refinement of the various designs. Refer to Mantel C-617 in correspondence. Prices on mantels start at \$22.50.



Beauty in a Kitchen

This kitchen is in a new home in Sterling, Illinois. The built-in ironing board shown here with door removed is a Curtis model of typical Curtis construction. Any kitchen can have this feature added at small cost. The doors here and the kitchen dresser are also Curtis Woodwork. Notice the look of permanence about this woodwork. You will see why it looks so good when the Curtis dealer shows you the thorough workmanship and the conveniences that will serve a lifetime. This kitchen dresser is made up of three standard units. Ask the dealer to explain other possible combinations.

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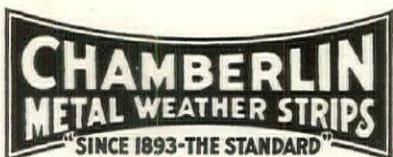
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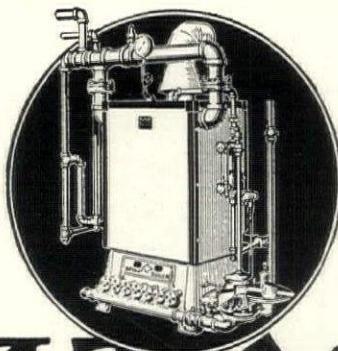
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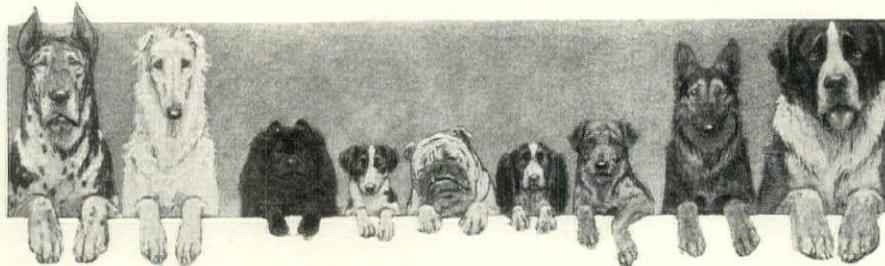
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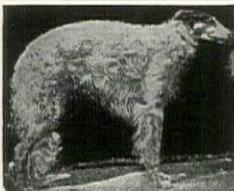


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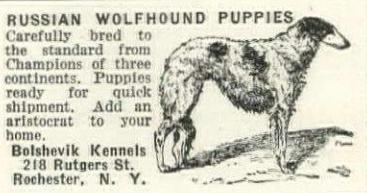
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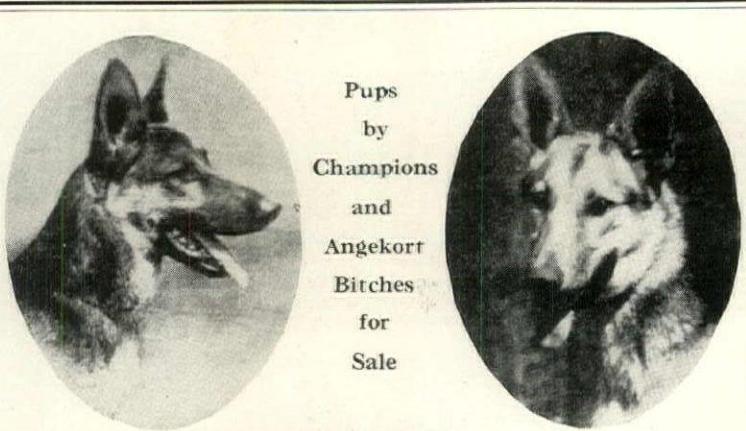
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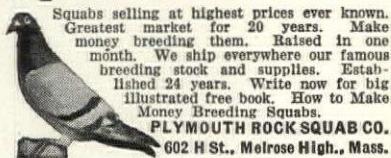
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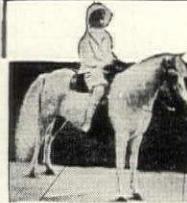
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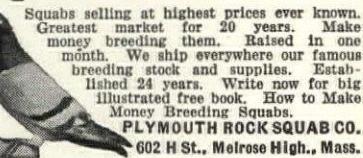
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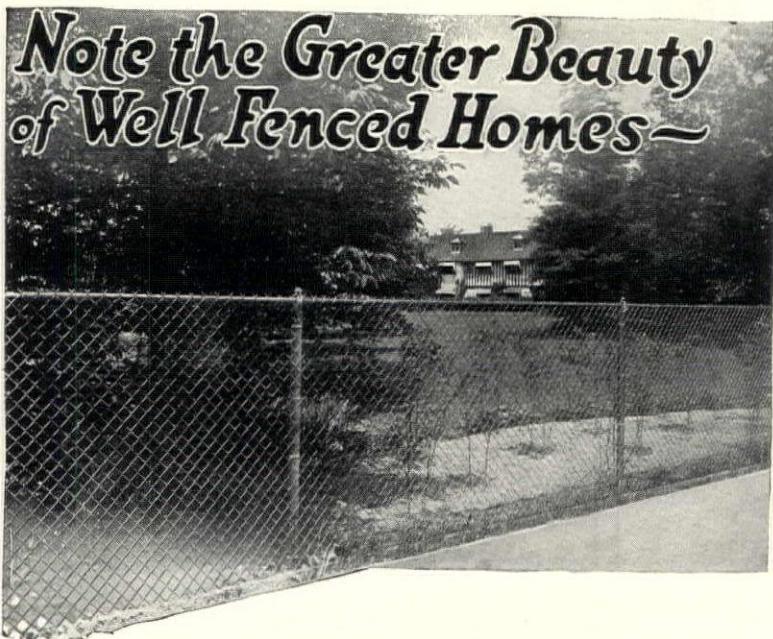
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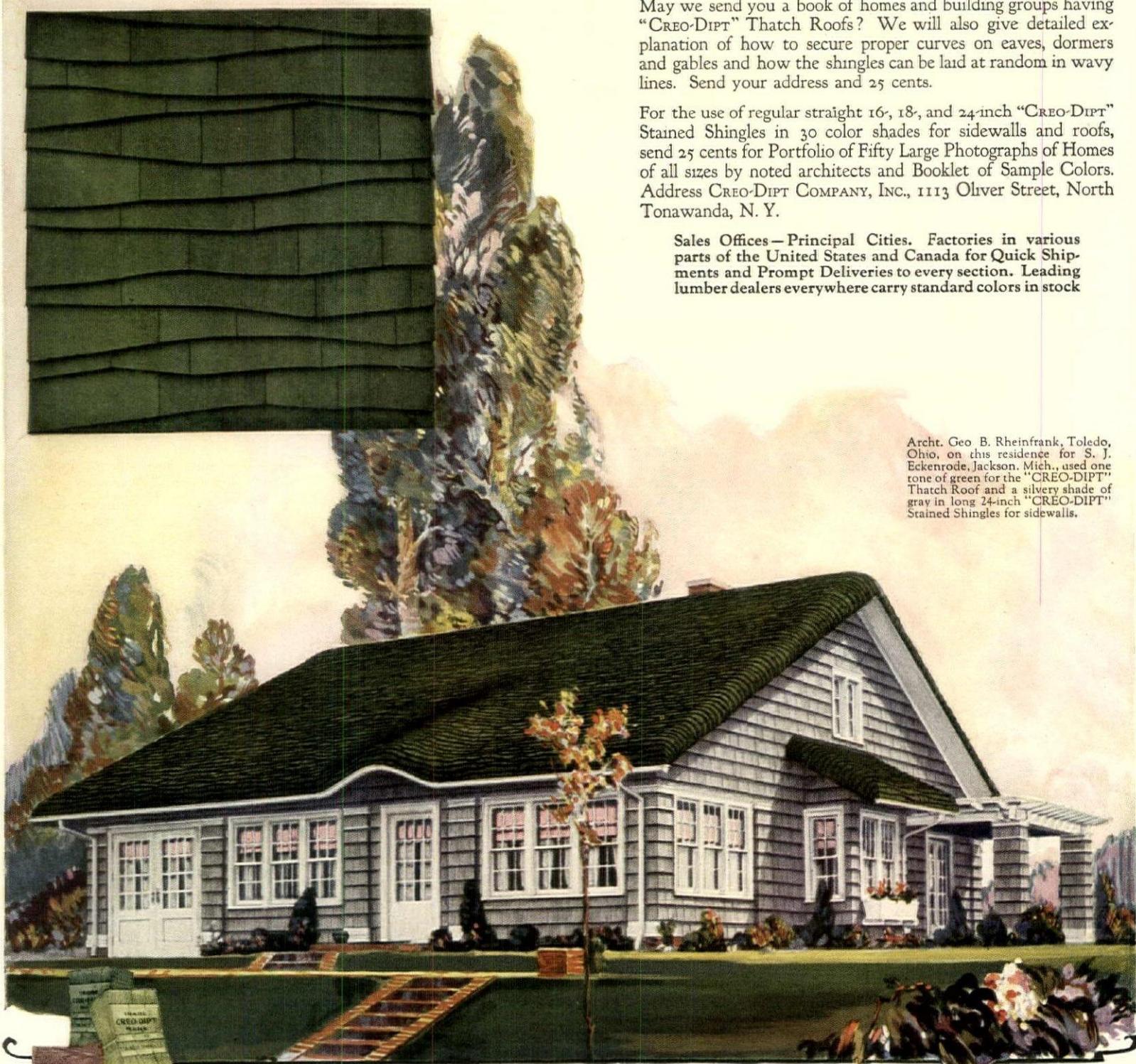
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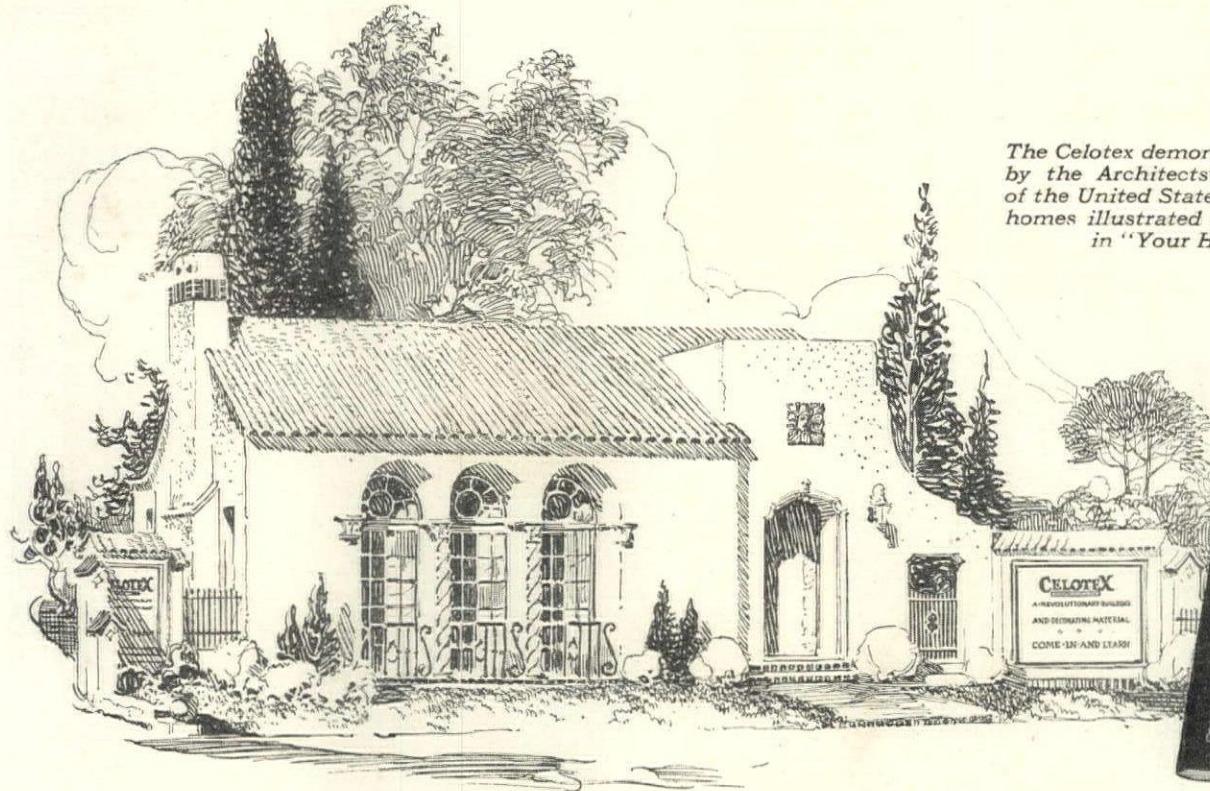
Archt. Geo. B. Rheinfrank, Toledo, Ohio, on this residence for S. J. Eckenrode, Jackson, Mich., used one tone of green for the "CREO-DIPT" Thatch Roof and a silvery shade of gray in long 24-inch "CREO-DIPT" Stained Shingles for sidewalls.



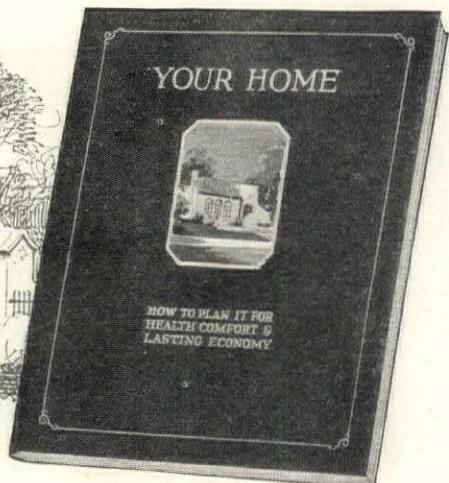
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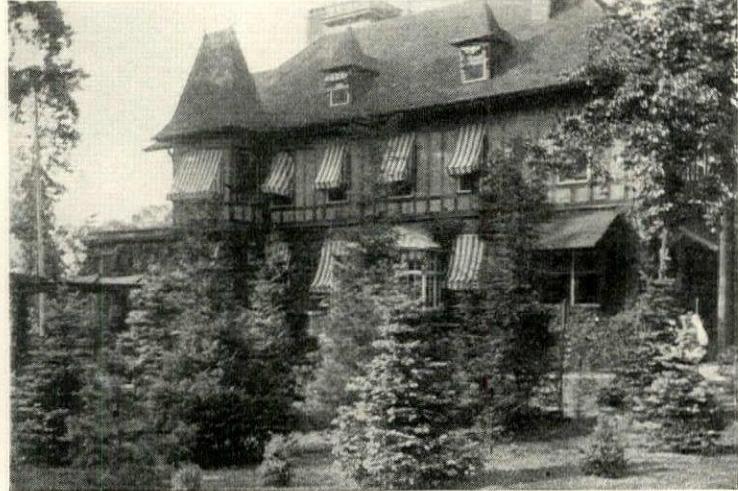
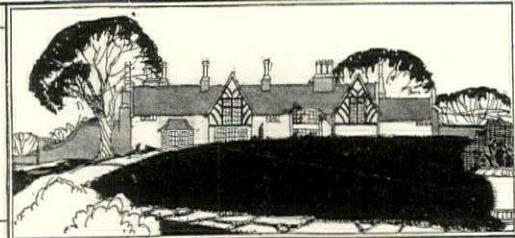
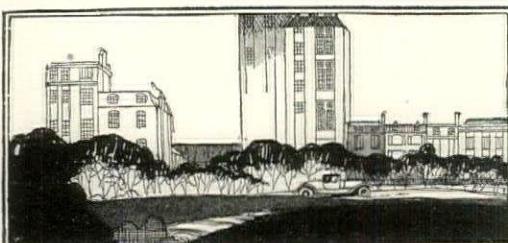
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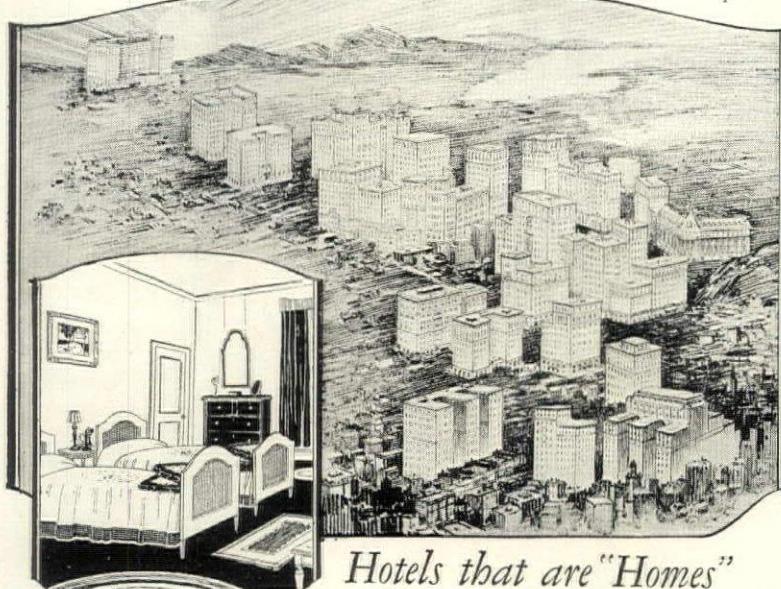
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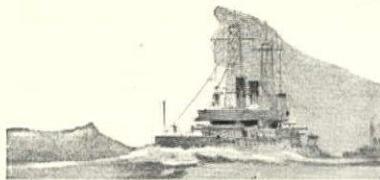


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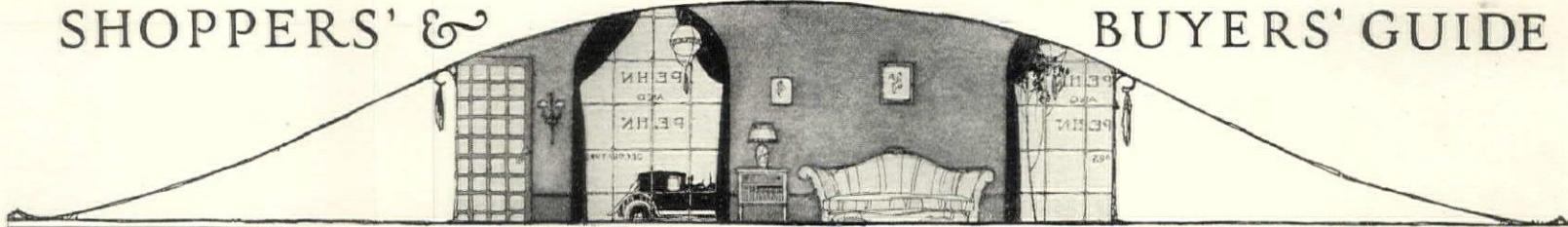
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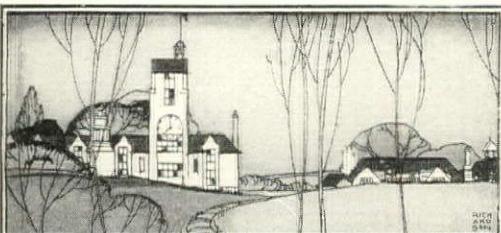
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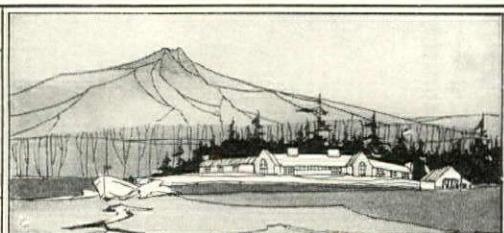
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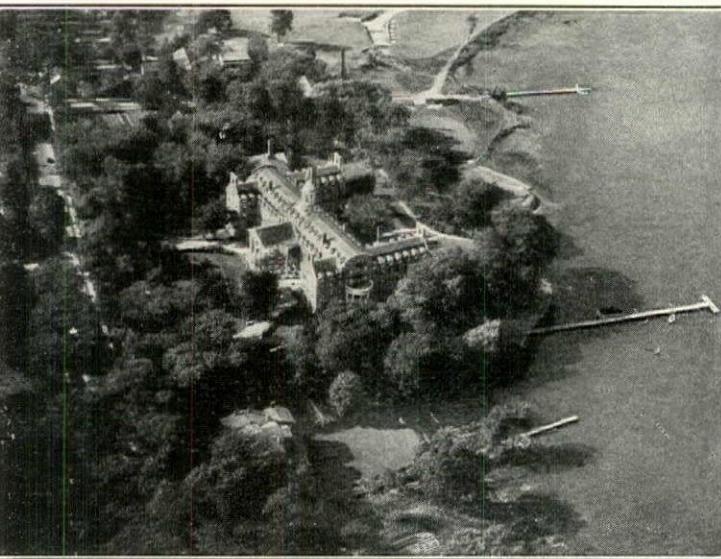


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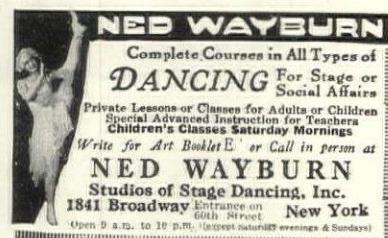
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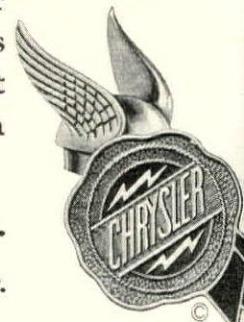
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House & Garden



The hallway of a country house, appearing in the February Furniture Number

EVERY now and then someone sighs over the fact that we have no one type of domestic architecture in this country to which we can point and say, "That is distinctly America." Our profligate use of wood in the construction of our houses may be American, but, in general, the style with which we use that wood is inherited from older people. Even the adobe and native California types of houses are reflections of what once was built in Spain and around the Mediterranean.

Take this Building Number of *HOUSE & GARDEN*, for example. It shows in one way or another the exteriors of eighteen houses. Not a one but can trace its style back to ancestors in an older country. From the Classic Revival style of Mimosa Hall to the modern interpretation of Mr. Harry Lindeberg, from the little Tudor house in New Jersey to the cottage designs that illustrate the article on painting the house, each of these is an adaptation of a style found in some other country.

It would be easy to object to this, easy to swell the patriotic breast and demand a purely American type of architecture. But why? Into the melting pot that is America have been cast not only human types, but the ideas of beauty that these human types brought with them. The result is a mixture of adaptations from many lands. The weaknesses of the old have been killed out and the better elements survive. We need not be ashamed of our heritages or of the finished product.

Architecture is an expression of many forces—religion, customs, climate. In this country we have all kinds of religions, all kinds of customs, all kinds of climates. One style of architecture would be inadequate to express them all. We require many styles. The domestic architecture of the south of France is as different from that in the north as a house on the Sussex Downs of England differs from a house on the Scotch countryside, as different as a Cape Cod cottage is from an adobe house in Santa Fé.

It is an encouraging sign that so much good architecture is to be found in so many sections of this country. It means that people are becoming aware of the necessity for houses designed in good taste. This country may have its dark spots, but the light is penetrating. Architectural taste is becoming a new standard by which to reckon values. How has this come about? Financial prosperity alone did not bring it. Nor the expansion of popular education. It has been brought about by just such magazines as *HOUSE & GARDEN*, which, setting high standards of taste, have insisted on those standards; which have given their readers not merely what they wanted but better than they wanted, better than many of them dreamed existed.

If you want to see how these standards are maintained, all you have to do is to walk to the nearest newsstand, place the small sum of thirty-five cents in the dealer's hand, and ask for *HOUSE & GARDEN*.

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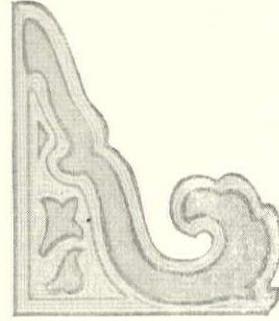
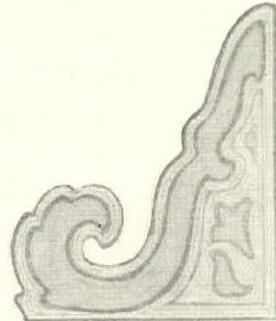
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Riddle

DECORATIVE LIGHTING FITMENTS



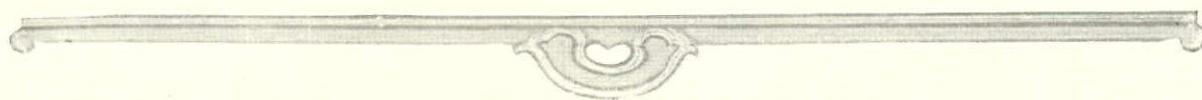
"Mrs. Hamilton's party was wonderful. You know they've just remodeled their home. It's most attractive. The new rugs and furniture are beautiful. But—why didn't they change the old-fashioned chandeliers? Maybe they're keeping them as antiques. They look quite impossible in their new surroundings."

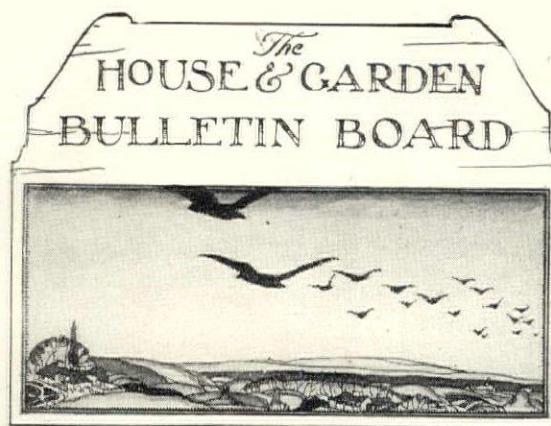
. . . Are your lighting fixtures the source of such good-natured criticism on the part of your

friends? Do you feel that they measure up to the standards you aim to observe in the furnishing and decoration of your home? Possibly you have not thought seriously about it,—but isn't it worth a little careful consideration? With Riddle Fitments in your home you can feel that your lighting equipment is above reproach—a source of pride and enjoyment always.

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THE EDWARD N. RIDDELL COMPANY, TOLEDO, OHIO





IF EDITING this magazine were like those cross-word puzzles to which we are addicted, life would be fairly simple. If it had to read correctly in only two directions, we would face the next twelve months without the slightest sign of perturbation. But it has to read correctly in a dozen different ways—and that is what keeps us so infernally alert. Were *HOUSE & GARDEN* to be known merely as the magazine par excellence for home builders, it would be easy to keep its reputation; or for gardening, or even for decoration. But each month we must read correctly, authoritatively and interestingly in a different direction. Having surveyed the Christmas shops in December, we now present a big January building number. Interest in that scarcely subsided, when we offer you February and furniture.



YOU begin this February Furniture Number by walking into a pleasant hallway, a hallway reminiscent of a Dutch interior, although it really is in Massachusetts. Then you turn to a study of the kinds of backgrounds to give different kinds of furniture. So many people ask us about this that we are trying to answer all of them in this article. Desks are next considered, new desks, reproductions of old types, little desks and big desks. Further along you come to day beds, to little tables, to balanced groups of furniture, to upholstery fabrics. The Shops pages will show small-scale furniture for little rooms—the sort of rooms you find in the average apartment. You will also read of the Colonial furniture of old Mexico—quite different from our Colonial furniture. The Portfolio will show a smartly decorated country house that the mistress did herself after reading *HOUSE & GARDEN*. There is promised an article on footstools, and one on fabrics in decoration, and one on disguising a collection of antiques so that your house doesn't look too much like a museum.

So much for reading correctly in one direction.



FEBRUARY sees the beginning of a series of articles on Rock Gardening by Louise Beebe Wilder. Mrs. Wilder is nationally known for her work in rock gardens and she will write exclusively for *HOUSE & GARDEN* on this subject. Mr. Wilson will also contribute and there will be shown another of the Ideal Smaller Homes Gardens. J. Horace McFarland writes on Polyantha Roses. In the Group of Gardens you find the famous Ferrall Garden at La Grange, Georgia. These comprise our reading correctly in another direction.

An interesting estate group and a building article will give us another direction and Miss Peyster's contribution will afford still another.

ON pages 71, 72, 73 of this issue you will find the story of the Sing Sing Rose garden. This work, to which readers of *HOUSE & GARDEN* have so generously contributed, is now an accomplished fact. We believe that what has been started at Sing Sing can be copied in other prisons. Along the Pacific Coast the prison gardens are both well planted and well maintained, but there are scores of others in which the good work can be started. We recommend the idea to garden clubs as a form of desirable activity. Get to work on the prison in your state and in your county.

We do not expect any great revolution in penology to come from the publication of this story—and yet you never can tell. Big moments have been stimulated from even such small beginnings. Beccaria's "Crimes and Punishments" started the humanitarian movement in the administration of justice and criminal punishment, and Dunant's "Battle of Solferino" led to the formation of the International Red Cross. Both of these were little books.

Apropos of this subject, did you ever realize that jails were originally called Penitentiaries? The prisoners were penitents cared for by religious who kept a voluntary monastic rule of silence, poverty, celibacy and obedience. Now they are called Prisons, the silence, poverty, celibacy and obedience are all involuntary and the penitents are few and far between.



GOING over "Poems from Punch" the other night we found these delectable lines by P. R. Chalmers—

COTTAGE GARDEN PRAYER

Little garden gods,
You of good bestowing,
You of kindly showing
Mid the potting and the pods,
Watchers of Geranium beds,
Pinks and Stocks and such like orders,
Rose, and sleepy Poppy-heads,—
Bless us in our borders,
Little garden gods!

Little garden gods,
Bless the time of sowing,
Watering and growing;
Lastly, when our Sunflower nods,
And our rambler's red array
Waits the honey-bee his labors,
Bless our garden that it may
Beat our next-door neighbor's,
Little garden gods!



ALMOST invariably persons interested in the decorative art who come to us from France and Germany comment on the fact that Americans are not accepting the modernist taste in furniture and decoration. They criticize us because we wear modern clothes and decorate our homes in the primitive style of our Colonial ancestors, have well equipped modern bathrooms and are happy with copies of Louis XVIth in bedrooms. They can't understand this incongruity; and we, for our part, can't understand what their modernistic decorators and color mixers and furniture designers are driving at. When we contemplate some of the bedlam of color and tortuous contours that they call modern we are inclined to agree with the gentleman in the ballad who spoke of the

homes of the Russ
Which would not do for us.



OLD DOC LEMMON SAYS—

WAL, she's come! Ye c'n laugh much 's ye've mind to 'bout country ways o' tellin' the weather beforehand—this year we hit it right. The old gander's wingbone said as how winter was goin' to shut down good, an' she's shut, by jing!

"Warn't no foolin' 'bout it, once she made up her mind. A bitter cold, clear day that begun to haze over a mite 'long around noon-time an' was solid gray by three o'clock. When I went out to milk the cows in the dusk I felt jus' a faint leetle drift of air out o' the north—an' it bit plumb through me.

"Better git out them gum boots o' mine," I told Elviry, comin' in ag'in. "Goin' to snow!"

"Eight o'clock come, then nine. The winderpanes was all frost, but when I opened the door to let ol' Pete in fer the night I see the fust flakes fallin' slow, easy, like they warn't no hurry. By midnight she was a-snortin', an' she kep' it up fer two days.

"Three foot o' snow on the level an' six b'lown zero. Yep, the ol' wingbone had it right ag'in!"



THE last few months of 1924 saw a heavy mortality among men who labored to enrich our gardens. Bertrand H. Farr, Frank N. Presby, the Iris fancier, Henry S. Cooper, who devoted his time to peonies—these men are no longer with us. All of them began as amateurs and, growing so absorbed in their hobby, forsook other pursuits that they might devote their time to their flowers. They have laid down torches—but where are the younger men to take them up?



J. Walter Collinge

SUN-KISSED ARCHITECTURE

It is interesting to note the important part played by shades and shadows in the architecture of a sunny climate. Here, in this Santa Barbara house, plain white plaster walls, deep, flaring reveals, stark stairways, and the varied play of lights, make a splendid composition. George Washington Smith, architect



REVIVING THE GREEK REVIVAL

An 1840 Example in Georgia of this Dignified Style which Suggests One Splendid Type of Design for Modern Houses

RICHARD H. PRATT

RATHER early in the 19th century, before the country had gone Gothic, the glory that was Greece was made to glow in American architecture. There was no genius then great enough to fan it into flame, but the movement flourished, and before it died it had left its mark in many buildings of calm and noble beauty. It was a curious revival. It came suddenly, lasted for perhaps thirty years, then, about 1840, vanished. For all the effect it had upon the houses of the period the Renaissance might never have existed nor the country already been clustered with Georgian houses that now seem to us irresistibly lovely. This revival was a return to undiluted classicism. Nothing since the Greek temples was allowed to influence its development.

So houses began to resemble Greek temples. Roughly speaking, the difference between the good and bad houses of the period was the difference between simplicity and plainness, between good proportions and mean. There was made no particular attempt to develop a vernacular, to translate the dignified Greek manner into an architectural style that would fit in with the customs and character of the fresh young Republic; but somehow this lack of adjustment failed to matter. Surprising as it may seem the antique tradition settled snugly into the new situation. It may have seemed a little strange to live in a house that looked like a Greek temple, even though it were built on a smaller scale and planned for domestic existence; but if one had never seen a Greek temple, and if

these houses were livable and looked well in the landscape, even that discrepancy could scarcely make a difference.

From Maine to Florida houses still stand which were done then in this style. The further north they are found the more modest they are in size and appearance. Through Connecticut and upper New York there must be many that measure less than thirty feet along their greatest dimension. The walled-in part of the houses was generally made square, the boxiness of this shape being relieved by a portico extending

from the front—a four-columned affair, mostly, that rose from the first floor to the roof. The directness of this type of design and the simplicity of its construction were no doubt great factors in its popularity. Of course, many of the houses were hopelessly bad, but given a book of Classic examples (Stuart's *Antiquities of Athens* was a favorite source of inspiration) almost any good carpenter with ingenuity and taste could put up a house that actually gave forth a faint fragrance of architecture's most perfect period.

While the houses of this era in the North show how admirably at times the pure Classic style can be adapted to smaller dwellings, it was in the South that its dignity and suggestion of grandeur were particularly appealing. There, on the great plantations, landowners lived an almost regal existence, and they saw in these imposing porticos something that suited the splendor of their situation. Also, in the South the single feature of the houses, which was sometimes a disadvantage in the North, namely, the portico, with its tendency to shade the front of the house and darken the rooms opening under it, became a very happy device, for shade there was not a handicap to comfort. So both appearance and utility were served, and the Greek Revival found a happy home.



Tebbs & Knell

In the dining room at Mimosa Hall an appropriate treatment for the period of the place has been achieved by this Empire table and chairs under a framed panel of Cupid and Psyche paper from Lafitte



Tebbs & Knell

From the garden side the house seems to nestle comfortably in a deep and luxuriant setting. Vine-clad and mellow with age its dignified form shows no trace of austerity

A garden has been made on a level space below the house level at the rear. Box-lined paths connect it with the building and broad stone steps make an easy descent



The richly colored marble mantel in the living room, its mirror, clock and ornaments, are, like the furniture, typical of the Empire taste which came with the Greek Revival

The house shown here, Mimosa Hall, at Roswell, near Atlanta, Georgia, is a splendid example of the period. It shows a most sympathetic handling of the Attic idea in terms of an American country home. Its formality has been so softened by the surrounding foliage, and the arrange-



Tebbs & Knell

The air of dignity and calm in this great portico, with its fine Doric shafts and simple cornice is an argument for a revival of the Greek Revival. Neel Reid, owner

The garden, only recently completed, has two panels in knots and parterres and a central section, brick-paved, marked by a long narrow pool between beds of Irises



The entrance hallway repeats the scheme of decoration found elsewhere in the house: a panel of Laflitte paper framed above an Empire chest holding two alabaster figurines

ment inside and out has been so nicely carried out for comfortable living, that the whole flavor of the building is one of belonging to its place and purpose. No house, in any style, can do more, and that a house of the Greek Revival should achieve this so beautifully is a temptation to bring the style to life again.





Mott Studios

Viewed from the highway the house presents a finely balanced façade; superimposed clusters of three windows each in the center and well sized, interesting doorways at each end, all set in a surface of roughly textured, warm-toned stucco under a strip of coral colored tile roof



At one side of the tile paved patio a fireplace, sporting a brilliant overmantel medallion, has been built

From the hills beyond the house a stream flows down a cascade into an arched, tile bordered grotto, thence into a pool below





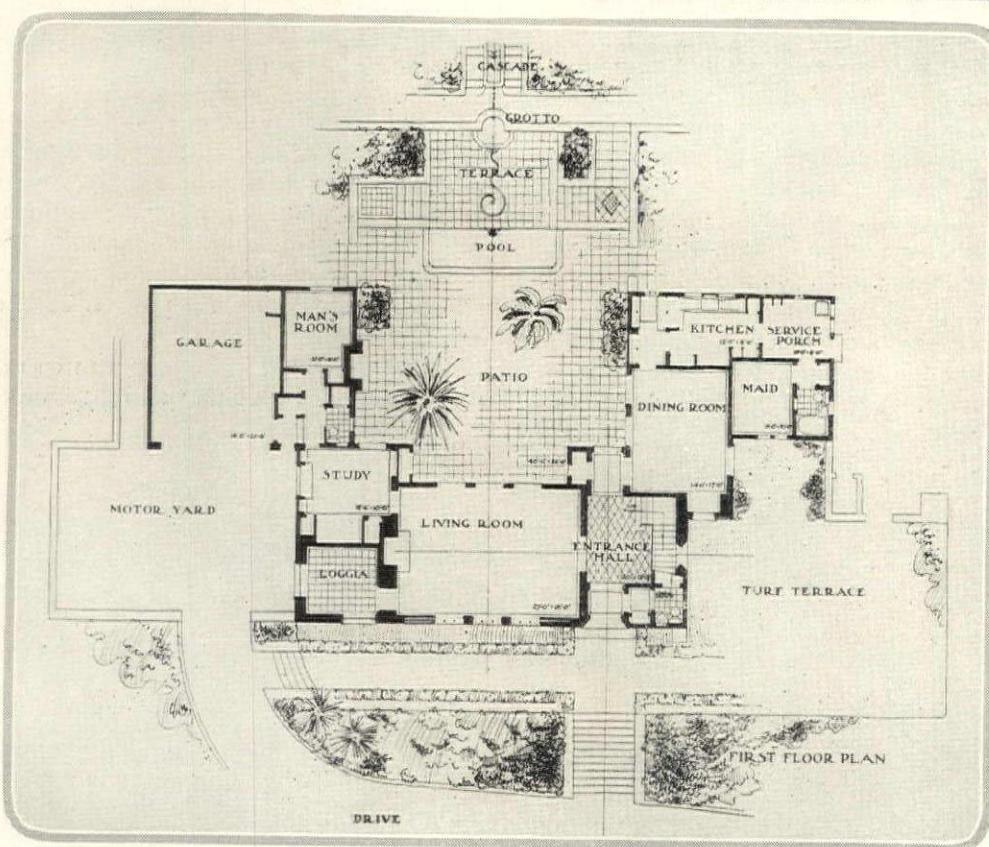
The entrance doorway has a finely decorated flaring reveal, while the door itself is a heavily battened bit of typical Spanish design



A HOUSE IN HOLLYWOOD

STILES O. CLEMENTS

Architect



The first floor plan shows the main part of the house devoted to the entrance, living room and study, and a wing apiece for the service and garage

The driveway curves up to the house from the highway between an evergreen hedge on one side and banks of Roses and other flowering shrubs on the other

THE BURNING BUSH

Extending Fire Protection to Our Forests is a Federal And State Problem That All Good Citizens Should Support

MOSES, it seems, is the only man on record who saw a bush burn with fire and the bush was not consumed.

The glorious autumn just past has seen an amazing number of bushes afire and consumed. It has been one of the most tragic in the history of our eastern forests. For over a month not a drop of rain visited the parched land. The leaves fell and dried into tinder. A spark—and the forest was alight.

It would be difficult to estimate the value of the timber consumed in these conflagrations; the next generation—and perhaps ours also—will foot the bill. A few more such seasons, and the lumber shortage will become acute. Then, doubtless, amiable citizens will struggle in their efforts to do something about it. Meantime people who aren't so satisfied are struggling to see that these timber losses by fire are held down. They are trying to control the cause of such fires, they are working to have burnt-over areas replanted and, in some measure, to compensate for the timber loss.

JANUARY marks the fiftieth anniversary of the founding of the American Forestry Association. This association is composed of forward-thinking citizens who appreciate the value of our forests and their vast yearly destruction by fire. Due to efforts of this society Congress last year authorized the expenditure by the Federal Government of \$2,500,000 for fire protection, provided the amounts allotted to the different states be matched dollar for dollar by the states themselves. Since a large number of the states have failed to develop fire protection organizations sufficient to qualify under the law, it is estimated that less than a million dollars of this fund will be appropriated by the Government.

This sounds rather appalling. And it is appalling. Many of our states are evidently under the impression that Moses was not the only person who saw a bush burn with fire and yet not be consumed.

AT the present writing the following states are without forestry departments—Arizona, Florida, Georgia, Mississippi, Nevada, New Mexico, Oklahoma, South Carolina, South Dakota, Utah and Wyoming.

In some of these western states the great amount of national forest land within their borders is probably the reason for the lack of state organization, although none of them are lacking in a distinct need for a type of state forestry department for the enforcement of fire protection laws and the co-operation with federal forces in the prevention and control of forest fires.

The middle western group, including Nebraska, Missouri, South Dakota, probably lack interest on account of their comparatively small forest area. However, they have, in addition to the need for a fire protection system, the need for an agency for the promotion of reforestation of idle lands. Oklahoma, while not generally considered a middle western state, has a similar situation.

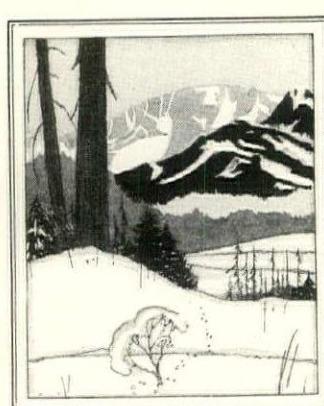
The five southern states, Arkansas, Mississippi, Georgia, South Carolina, and Florida, are all heavily timbered and have large areas of idle land. In fact, more than eleven percent of the total area of these states is now idle and cut-over land which is not being satisfactorily restocked. This area is being added to continually by a heavy cut of timber which increases every year in volume. There is no provision for fire protection or reforestation. The present course of these states in handling their timber lands greatly curtails the chance for sound economic development of the region. Forest industries which are great employers of labor and producers of local wealth simply move out when the forests are exhausted.

THE stimulating of such forestry protection statutes is one of the works of this excellent association now celebrating its fiftieth year. The other great work is its agitation for the establishment of National Parks. The eastern half of this country is lacking in such reservations. We need them in the region of the Great Lakes, in the White and Appalachian Mountains (where the Government has already purchased two and a half million acres) and in the South. It will be urged upon Congress—a matter that should be supported by every good citizen—that legislation be passed which will make possible the establishment, within a period of ten years, of a chain of public forests encircling the larger centers of population and industry. Of these public forests eight million acres will be in the eastern half of the country, over which the shadow of forest bankruptcy has already fallen. This eastern area contains more than three fourths of the nation's people, three fourths of its industries and three fourths of its non-productive, cut-over land.

The area of deforested lands east of the Great Plains has now risen to the amazing figure of 285,000,000 acres. Realize what this means—timber once stood on these 285,000,000 acres, its trees protected the streams and rivers, its fastnesses were a refuge for game. It has now either been turned to the plow or stands idle. During the past fourteen years, over 75,000,000 acres of virgin forest have been cut away. This does not include the acreage destroyed by fires.

HERE is a situation that every self-respecting citizen must be interested in. He must have a national conscience for our forest protection; he must have a state conscience if his state lacks adequate protection for her forests; he must have a personal conscience and sense of responsibility when he enters these forests. He should support local, state and national organizations in endorsing and supporting the projects of the American Forestry Association.

To repeat—Moses is the only man on record who saw a bush burn with fire and the bush was not consumed.





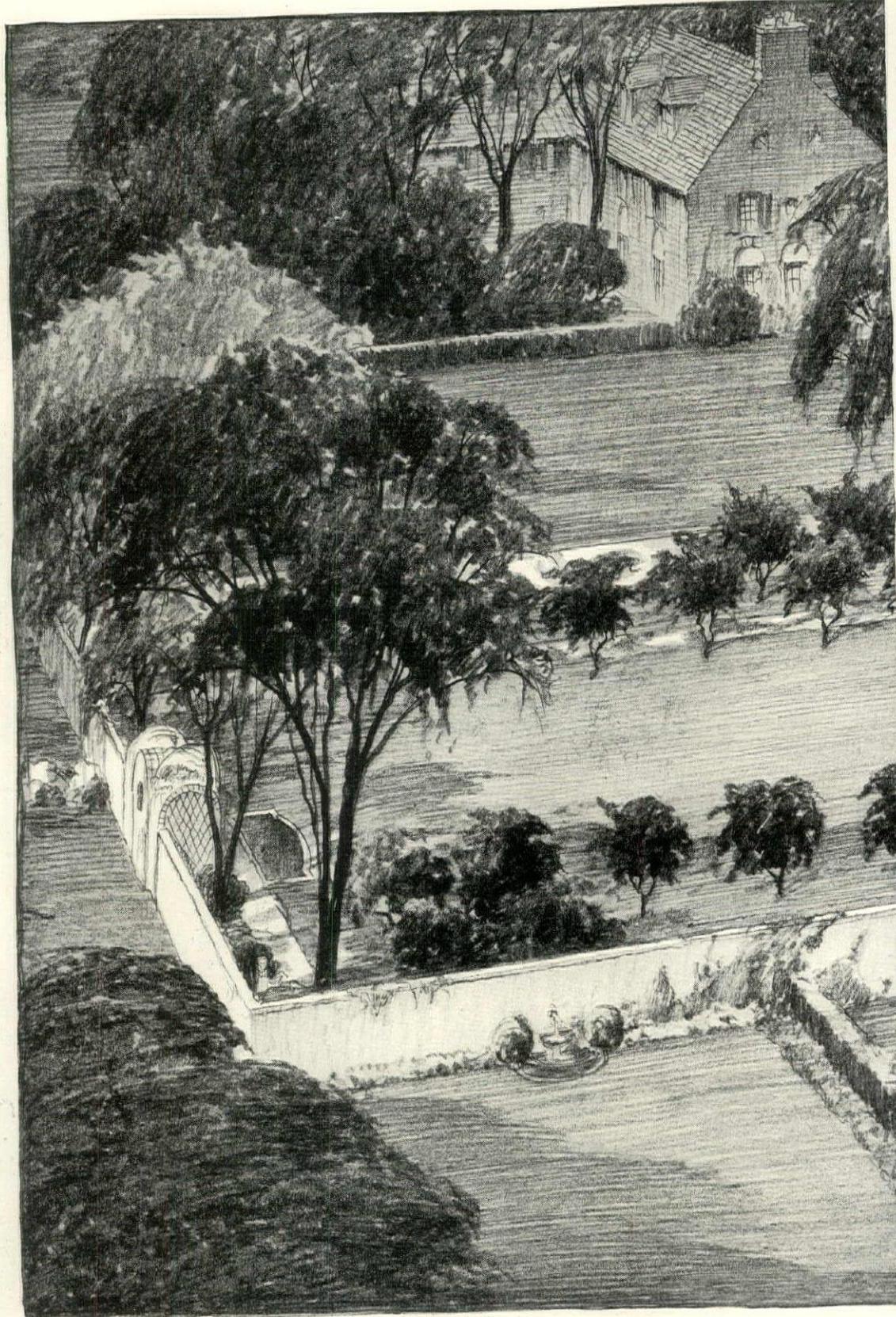
Wallace

THE MELLOW QUALITY OF RUBBLE MASONRY

There is a striking contrast between the texture of the house walls in this Chestnut Hill, Pa., residence and that of the California house in the frontispiece. Where the latter finds its chief beauty in sharp lights and shadows, this finds its great loveliness in the colors, pattern and surface of its stone work. A. H. Reeve, owner; Robert R. McGoodwin, architect

THE FIRST OF
FOUR
IDEAL SMALLER
GARDENS

With this issue the FOUR IDEAL SMALLER HOMES series enters its final stage. Since June the houses have been designed, decorated, furnished and equipped. Now, beginning with Mr. Dana's, their grounds and gardens will be done



THIS IDEAL SMALLER HOMES series was planned to prove the possibilities of the moderate-sized suburban house. For long enough this kind of house had seemed to be architecture's stepchild. There seemed to be no reason why the house that was neither small nor large should not come more generally into its own. So, four architects of the highest standing in their several sections of the country—New York, Philadelphia, Cleveland and the Coast, were asked to submit designs to HOUSE & GARDEN of houses that would not only solve all the problems of the moderate-

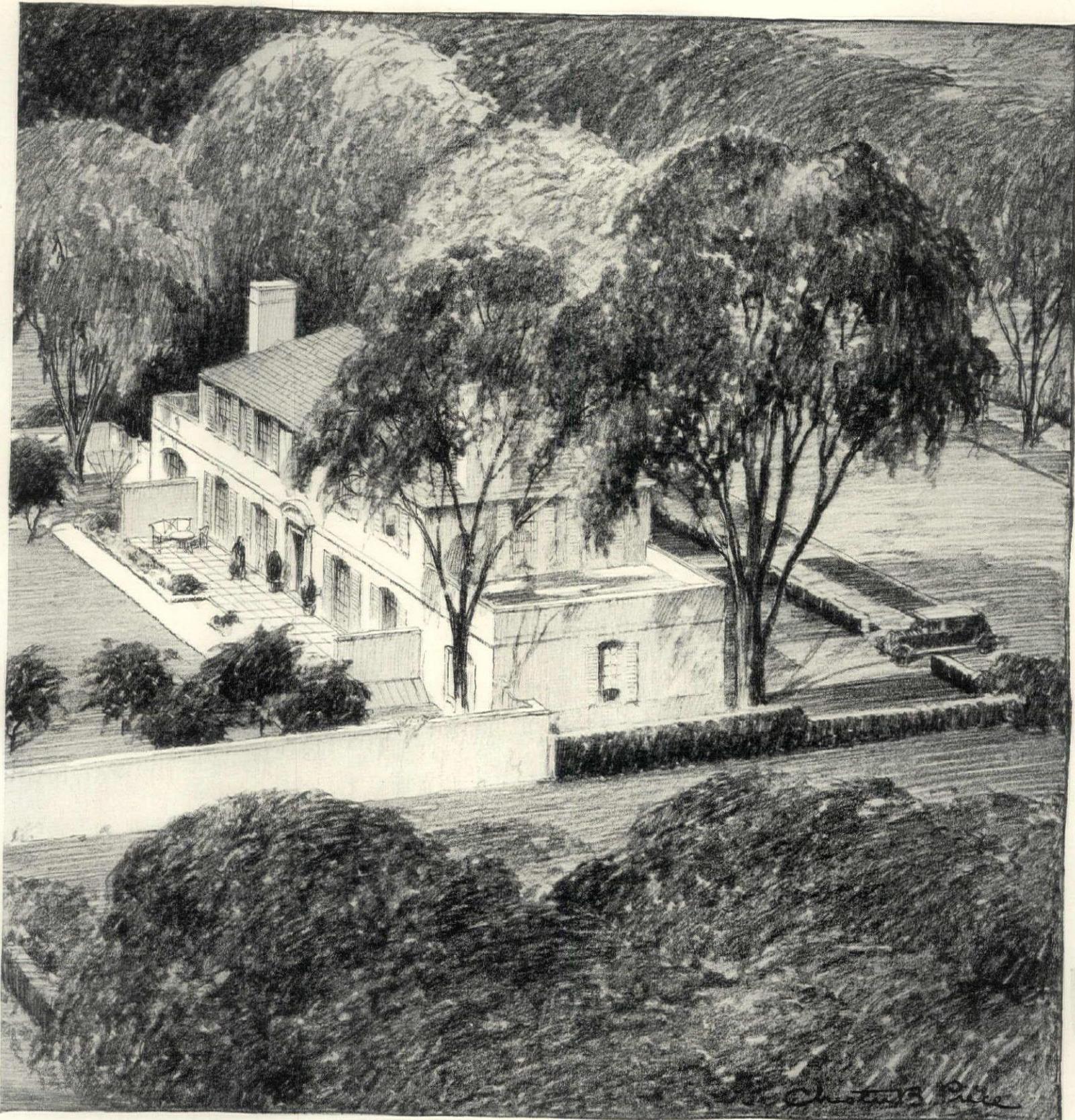
sized home but be typical of the architectural styles and building methods most suited to this kind of dwelling.

Each house was designed for a family of at least four, and one or more servants. Each one contained an attached garage, and was to cost not more than \$20,000. The idea was to develop an establishment, including the ground (in each case a plot seventy-five by one hundred and fifty feet), the decorating, furnishing, and the preparation and planting of the garden and grounds, all to cost less than \$30,000.

Beginning here, and continuing through

the next three issues, the gardens and grounds of the four houses will be done. The grounds whose arrangement and planning are described in this article are those for the house designed by Richard H. Dana, jr., architect. The house, being rather French in feeling, with a stuccoed exterior and a definitely formal appearance, gives an opportunity to do a garden in the French manner, something rarely attempted in this country except in imitations of the grand and florid fashion of France's most pretentious period.

In this case simplicity has been the quality



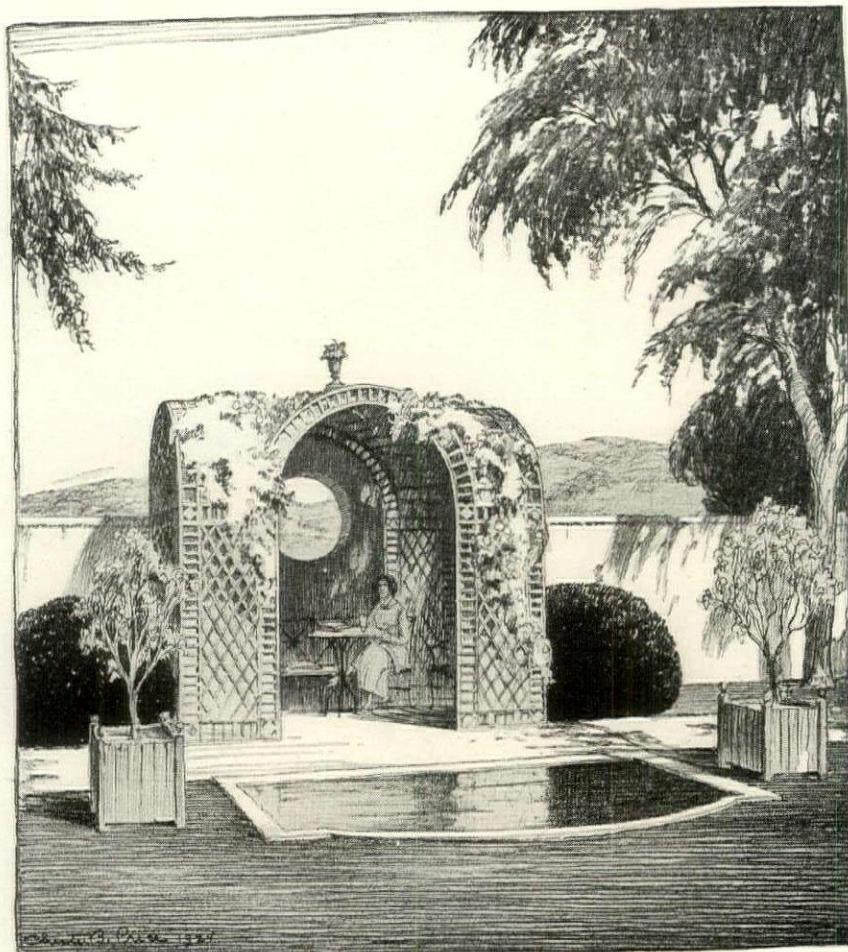
sought—simplicity, directness, and discretion in the use of plants. All these are characteristic traits of the smaller and unaffected French gardens, both old and modern. In one sense of the word there is no definite garden although there is a small garden plot on either side of the broad *tapis vert* that stretches from the terrace to the rear property line. These small garden plots, however, are only incidentally decorative. One is devoted to neat-growing vegetables and the other to flowers for cutting. They are not meant to make any particular display, and merely occur here

This drawing of the whole place, done by Chester B. Price, shows how carefully have been kept the essential qualities of unaffected French gardens—simplicity, restraint, and directness, resulting in remarkably low upkeep and ease of operation.

as very pleasant things to see in passing. The site is level and faces north: almost ideal conditions from the standpoint of ease and convenience in planning and executing work on the grounds. Scarcely any grading is necessary, and the exposure for both garden and house is perfect. These are important factors in the design, and

their influence becomes quite obvious as the development of the plan is followed.

The principal part of the garden is the great open panel of turf, flanked by rows of dwarf apples. The eye is carried across its smooth green surface to a cross-arched pavilion, done in lattice, whose graceful, delicate lines are reflected in a brimming pool. A gravel path, with well kept edges, surrounds this *tapis vert* and forms the connecting link between terrace and pavilion, and provides, as well, access to the small garden plots and the service spaces on either side of the house. At the end of each side



Against the rear garden wall, arched at this point and pierced by a circular opening, stands this graceful, cross-arched pavilion of lattice. It is on the axis of the tapis vert and is flanked by two clipped privets

path, looking from the house end of the garden, stands a vase on a shaft—a crisp architectural note to close the vista.

The whole garden space—in fact, all the property from the south facade of the house to the rear boundary line, is enclosed within a six-foot wall, stuccoed to match the house. The protection this affords and the splendid framework it provides for the garden are things which the French appreciate intensely. A garden there, in town or country, would no more be built without a surrounding wall than a house would be made without rooms. To make this wall inexpensive it might be built of hollow tile; to make it less expensive than that it might be built of frame and stuccoed.

The terrace carries across the garden face of the house between two wing walls which separate it from the gardener's working space at one side and the drying yard at the other. It is paved in tiles and is set with groups of iron garden furniture in graceful and delicate lines.

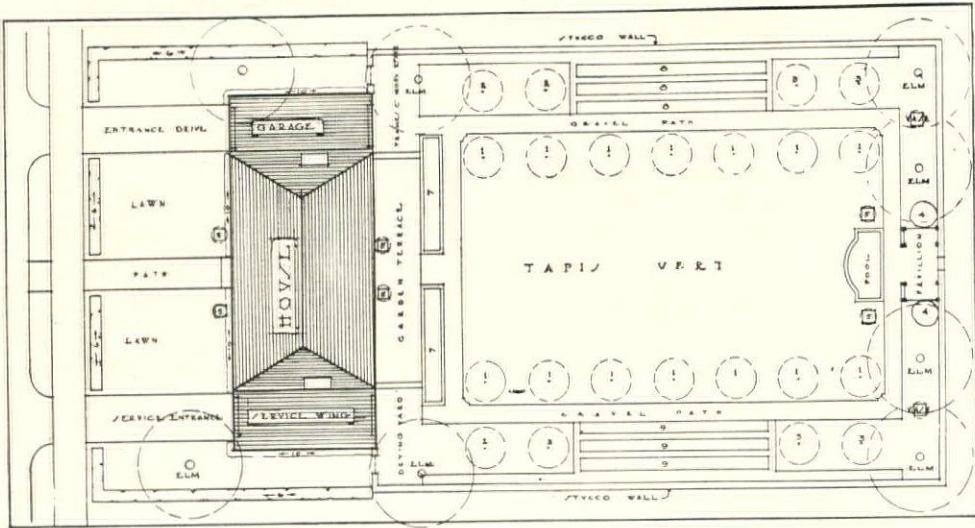
The existing growth on the site consists of several large Elms, four of which are disposed along the rear property line and the rest clustered about the house. The subsequent planting has been planned with great economy in the choice and number of plants used. The result is a place whose upkeep can never become a burden. Everything has been done for convenience and ease of operation.

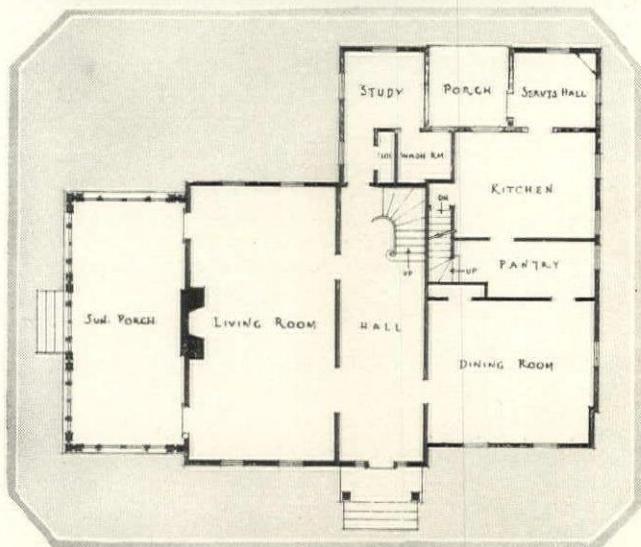
With the exception of such things as grape vines against the garden walls and flowering vines on the little pavilion all the planting on the place is indicated by the numbered spaces on the plan. Item Number 1, for instance, should be some suitable variety of Dwarf Apple—a kind of tree to stand from ten to fourteen feet high. Number 2 marks the location of Dwarf Pears of a similar size, and Number 3 Peaches. The two Number 4's, on either side of the pavilion, are clipped Privets as shown in the sketch at the top of the page. Number 5's are Bay Trees or Oleanders set out in tubs in Spring and taken in when frost arrives. Number 6 represents a hedge of Barberry which surrounds the front section of the property where it is pierced by the garage and service entrances and the entrance path. Number 7 marks the two long beds of annuals fronting the terrace. The narrow panels marked 8 constitute the small vegetable plot, while Number 9 marks the cutting garden opposite. The foundation planting of the house has been made appropriately effective by giving it simplicity almost to the point of severity. It consists altogether of Evergreen Bittersweet (*Euonymous radicans vegetus*), which provides a dark green border along the base of the building at every season.



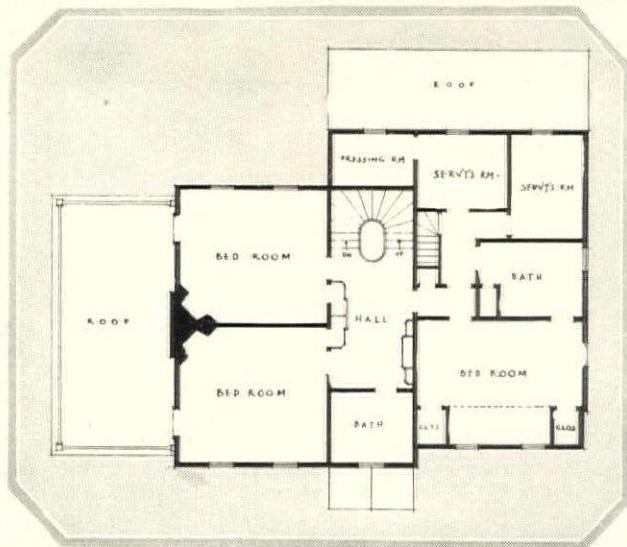
At the end of each side path, bordered by dwarf fruits, stands an urn on a stone shaft, as an architectural accent to close the vista

The planting diagram below shows with what simplicity the whole place has been planned. The numbers refer to plants named in text





From the naïveté of its original state this farmhouse has been very successfully given an architectural consciousness, with a hooded entrance, balustraded wings and shutters in the old New England manner



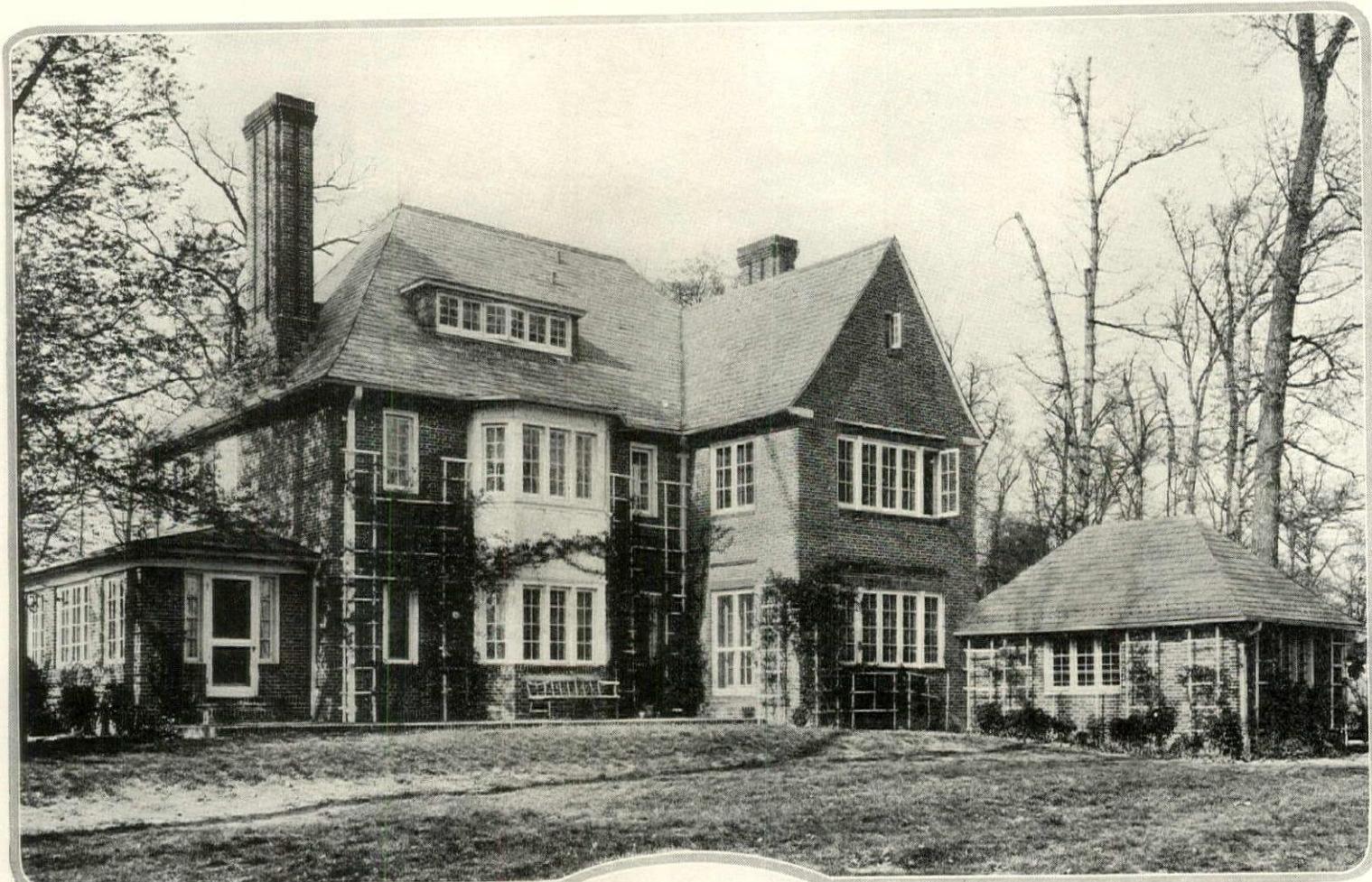
The first floor has a living room of splendid proportions, with windows at either end and French doorways leading onto a sun porch. The right wing contains the dining room, study and the service

The stable, gardener's cottage and smaller buildings have been done over delightfully; the former into a garage with three arched doorways, and the latter into a group having the fine flavor of unpretentious design



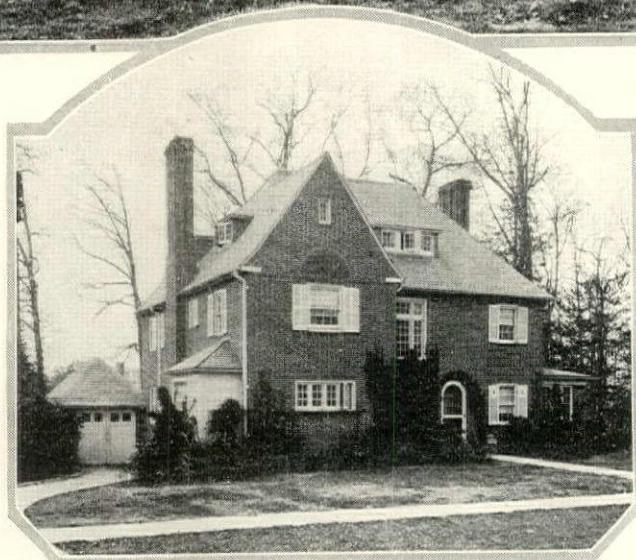
On the second floor are two masters bedrooms, one guest's, two for servants, two bathrooms and a pressing room. The hallway is wide and is connected with the one below by a curving staircase

A THREE PAGE GROUP OF THREE HOUSES From Connecticut, New Jersey and Maryland



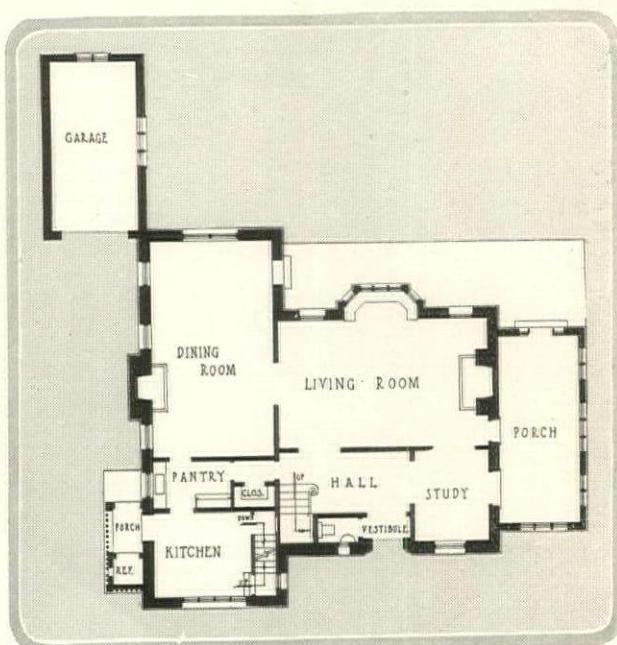
Mellichar

The home of Paul Patterson, in the suburbs of Baltimore, is an American interpretation of a familiar English country house style in which a double bay window and casements are features



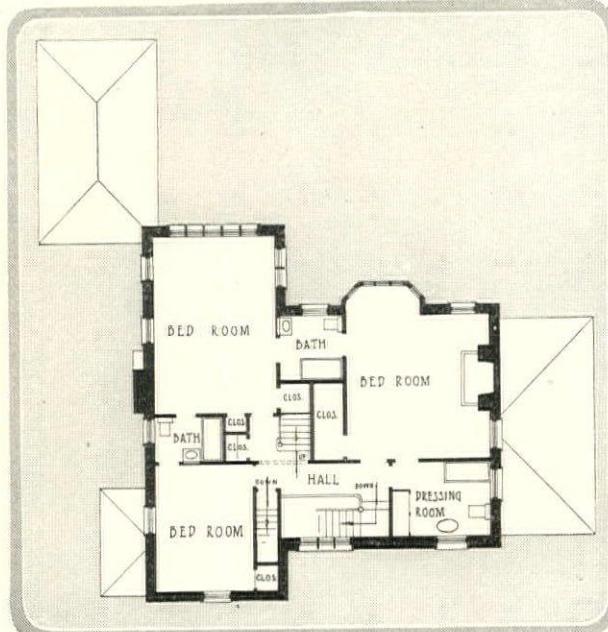
A HOUSE IN BALTIMORE, MD.

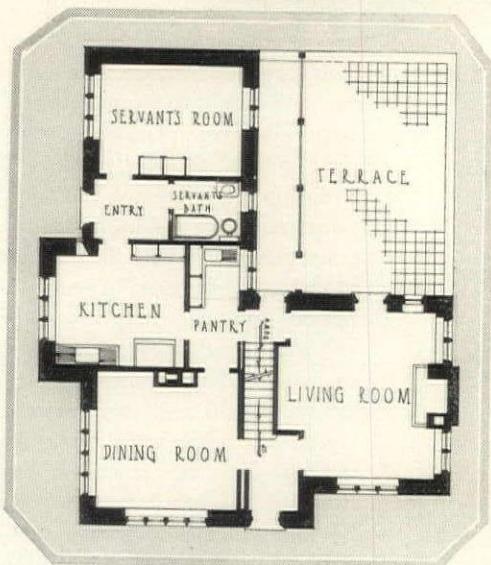
EDWARD L. PALMER, Architect



Both the dining and living rooms are about the same size. The hall has been kept down to a necessary minimum

A master's suite occupies the major part of the second floor, with two additional rooms and a bath in the wing

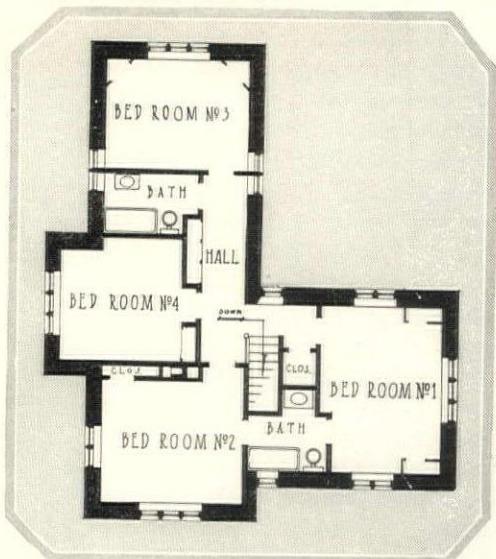




The Tudor style, generally associated with large country houses, has been successfully developed in this small residence, the home of Frank R. Ford.

A LITTLE TUDOR HOUSE IN ROSELAND, N. J.

MICHAEL STILLMAN, *Architect*



A larger amount of space than is usually assigned to it is given over to service; on the other hand, the paved terrace is really an outdoor extension of the living room.



Since the servants are given a room downstairs, the four bedrooms upstairs are for the family. Their arrangement affords an abundance of light and ventilation.

The scale of the architectural details has been so carefully studied in the exterior that the house is one of rare examples of completely successful architecture.

THE ART OF THE TILE

These Jewels of Architecture Are Considered for the Important Part They Play as a Decorative Element in the House

RALPH PATTISON

COLOR is coming again into architecture, and decorative tiles will play a great part in the chromatic revival. Nothing else is more able to take the leading role; for what fabric, paint or fresco, granting the ability of any one of these devices or materials to match the beauty of finely designed tiles or the brilliance and depth of their color, can be so durable, so unsusceptible to time. When tiles return into general use architecture will have recovered her jewels and will be gay again. It would be a pity to abuse this opportunity for gaiety and make it garish by failing to treat tiles with the tenderness and restraint which make them most effective. Tiles are a most poignant delicacy, and subtlety is the best approach to beauty where they are concerned.

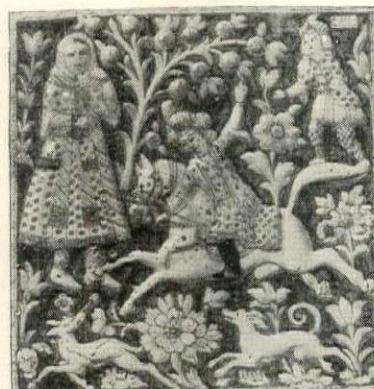
It may be understood that the word *tile*, as used here, refers to that type of tile known as faience, which differs from the ordinary floor tile and roof tile in that it is decorated, colored and glazed. Its purpose is almost purely decorative. The name is taken from that of the Italian town of Faenza, one of the first centers of the industry, where, still, some of the loveliest tiles in the world are made—when the kilns are not being used for baking macaroni.

Italy and Persia were great places for tiles, as were Turkey, Morocco and, subsequently, Spain. Probably climate and the crying desire for color had much to do with their popularity and their gorgeous development in those countries; certainly tiles gained an importance in architecture there which

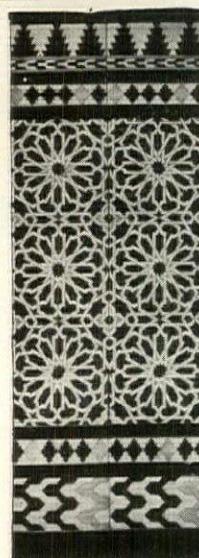
has never been equalled elsewhere—particularly on the exterior of buildings and in gardens. This was the case in the Orient, too. In cooler countries they have never been laid so lavishly, or with the same degree of splendor. Tile floors were done, of course, and wall panels, fireplace faces and stoves were made, but tile-work remained an incidental motif, whereas further south, from India to Spain, it was almost the principal theme in the architectural symphony.

Rather than go into a detailed description of the history of tiles, their decorative development and the various modes of their manufacture (though these last scarcely differ from the ancient practices except in the application of modern methods), it will be enough to say that tendencies in tile design were largely controlled by the use to which tiles were put in different parts of the world, and by the natural differences in taste and temperament encountered from country to country. We are apt to recognize a piece of pottery as belonging to a certain nationality, because pottery, from all parts of the world, has come into rather general household use. It will be found that tiles of certain periods and countries resemble the pottery of those periods and countries, the fashions in both being part of the same artistic impulse. This rule may not follow in every instance, but for one unfamiliar with tiles yet knowing something of pottery, it will serve as a rough though simple guide.

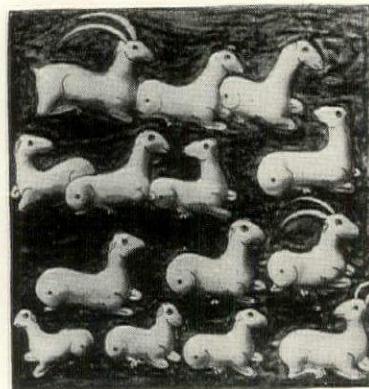
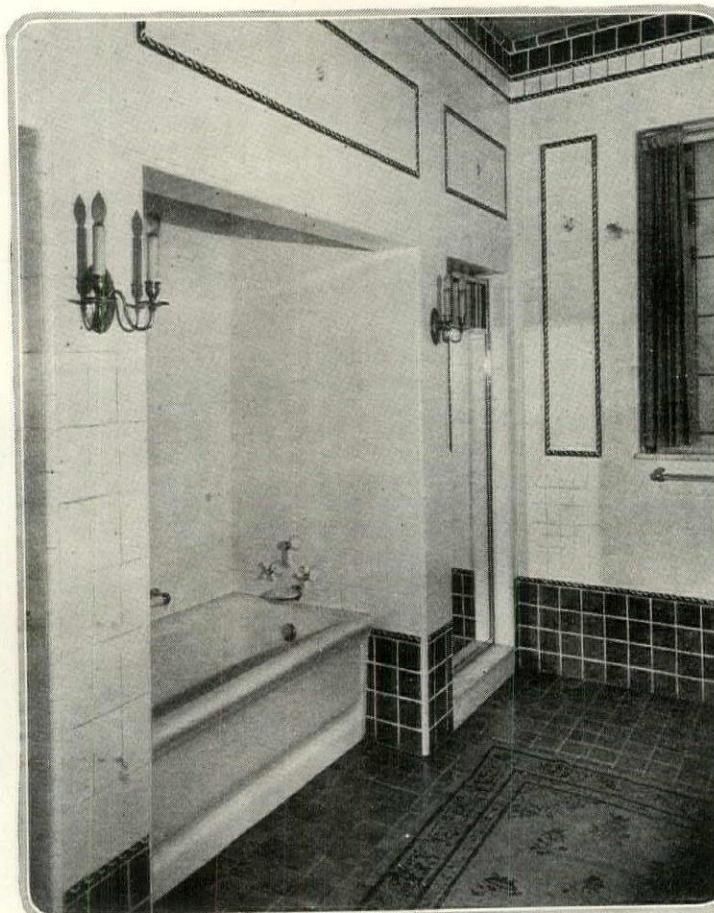
In the warm climates of the
(Continued on page 108)



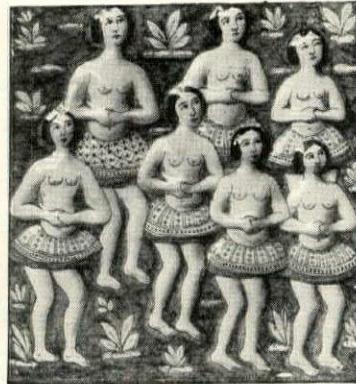
Above is a native reproduction of an old Persian tile in polychrome, fifteen inches square and exquisite in color and design



A splendid example of Spanish-Moresco tiles making up a central panel with borders. Made in Sevilla by Jose Mensaque



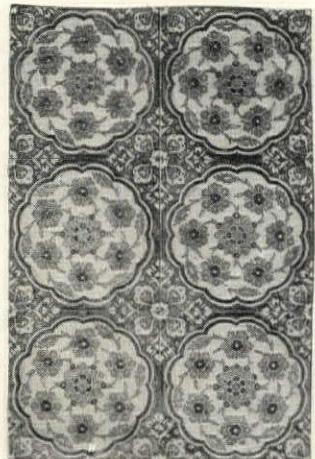
This Persian tile, showing a goat herd in repose, like that of the Seven Virgins opposite, has a background in blue with white figures in relief



This bathroom, an adaptation of tiles to modern interiors, is a beautiful tour de force in blue and white. By the American Encaustic Co. & J. L. Mott



The polychrome tiles of Persia are among the loveliest in the world. These are modern reproductions.

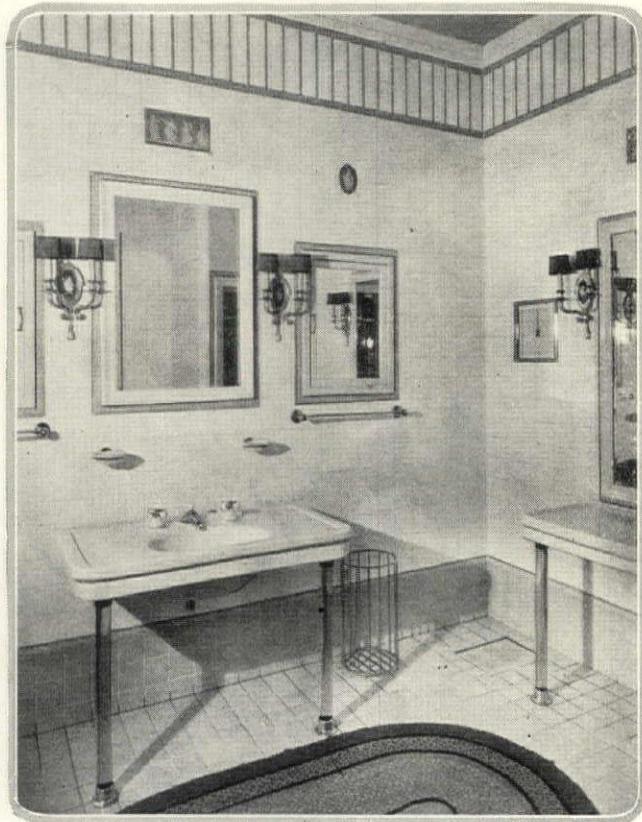


Another panel of Persian tiles. All the reproductions of foreign tiles are imported by Robert Rossman Co.

Tiles are admirably adapted to fireplaces. Those which make up this interesting panel were designed by Julius Gregory, architect, and were made by the American Encaustic Tiling Co.



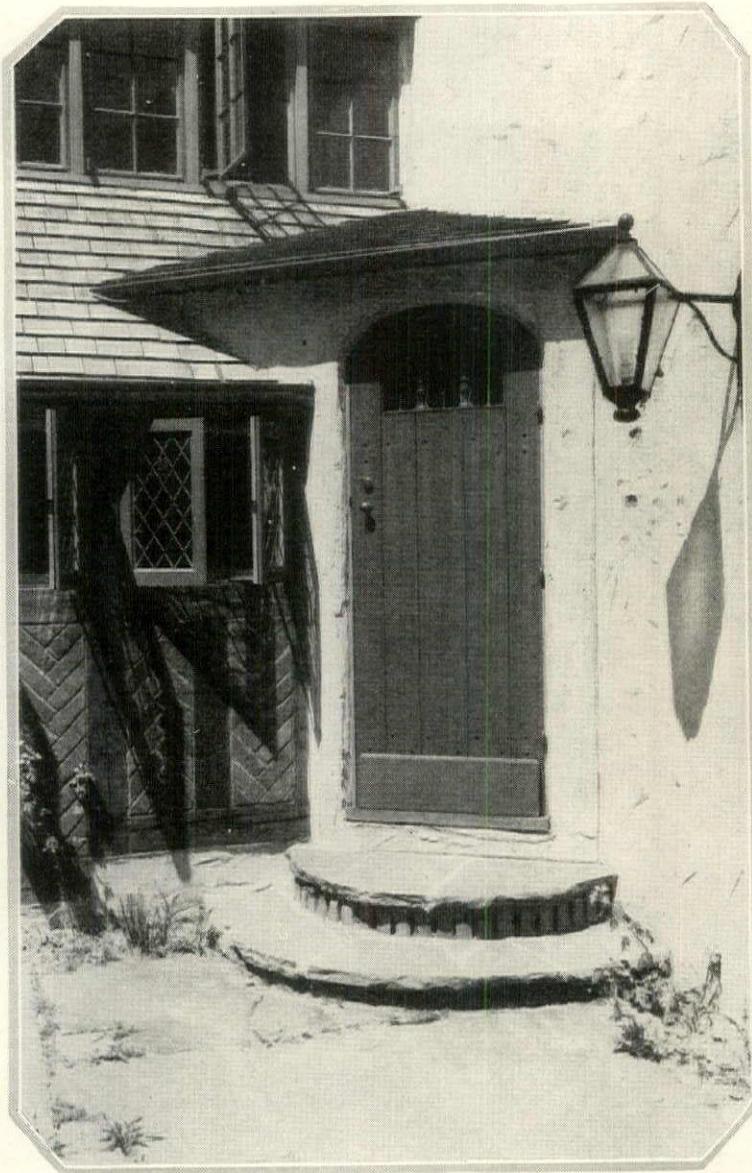
The naïveté of design in these tiles, achieved by having the drawings made by young girls, is carried through a large and splendid series by the American Encaustic Tiling Co.



The bathroom is completely lined with tiles and set with blue and white Wedgwood plaques. Courtesy of the J. L. Mott Iron Works

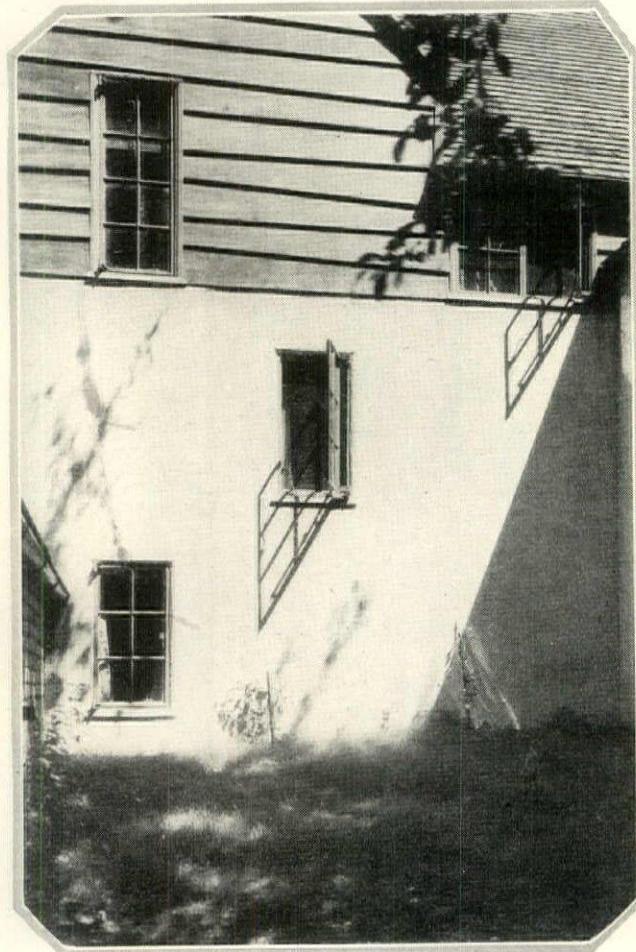
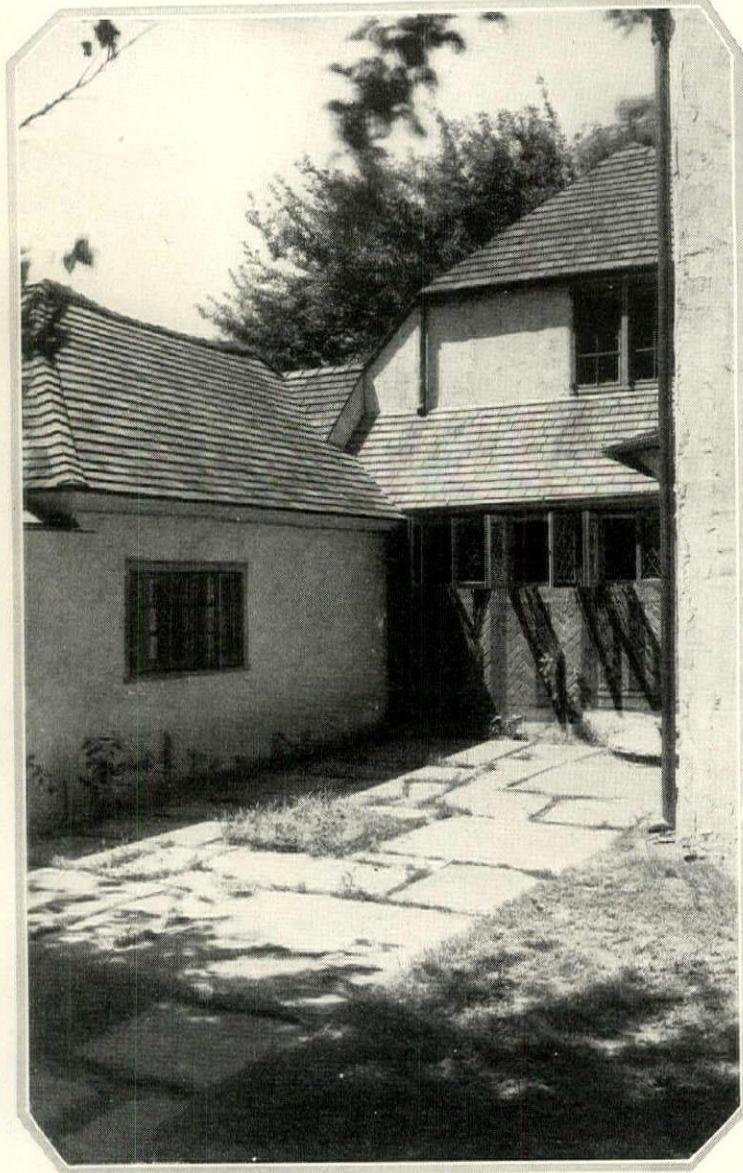
No better wall surface than tiles is possible in a kitchen. Here a simple design gives sparkle to the room. Both rooms by American Encaustic & J. L. Mott





Gillies

Picturesque details of an artist's home cannot fail to interest those intending to build. The views here are details of additions to an older building. This shows the entrance from the paved court to the dining hall. The door is painted blue; its steps are of broken flagstones laid on brick



The view into the paved court shows the connecting passage between the living room in the new wing and the dining hall in the original building. The stucco is cream color set up in the old English manner. The nogging is of salmon colored brick. The shingle roof has been left to weather

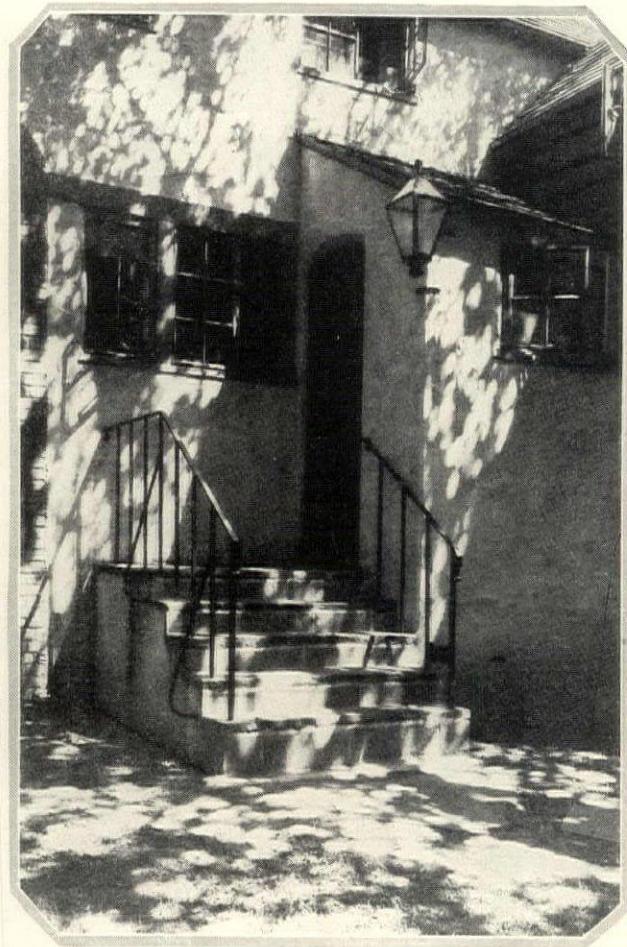
This west side of the new studio building shows an interesting combination of stucco and clapboarding. The oiled clapboards are set at random widths and laid up unsymmetrically as to line. All the windows are simple casements

Gillies

DETAILS OF THE
HOME OF
JOHN G. SHERIDAN
PORT WASHINGTON, L. I.

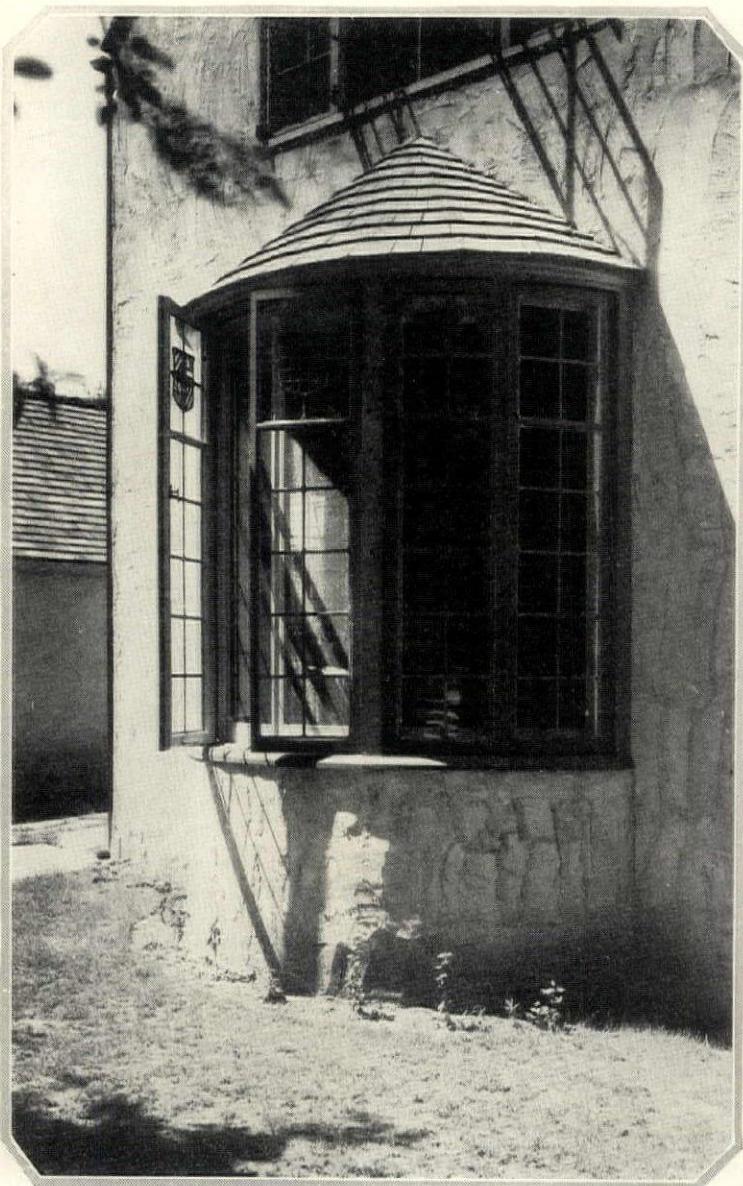
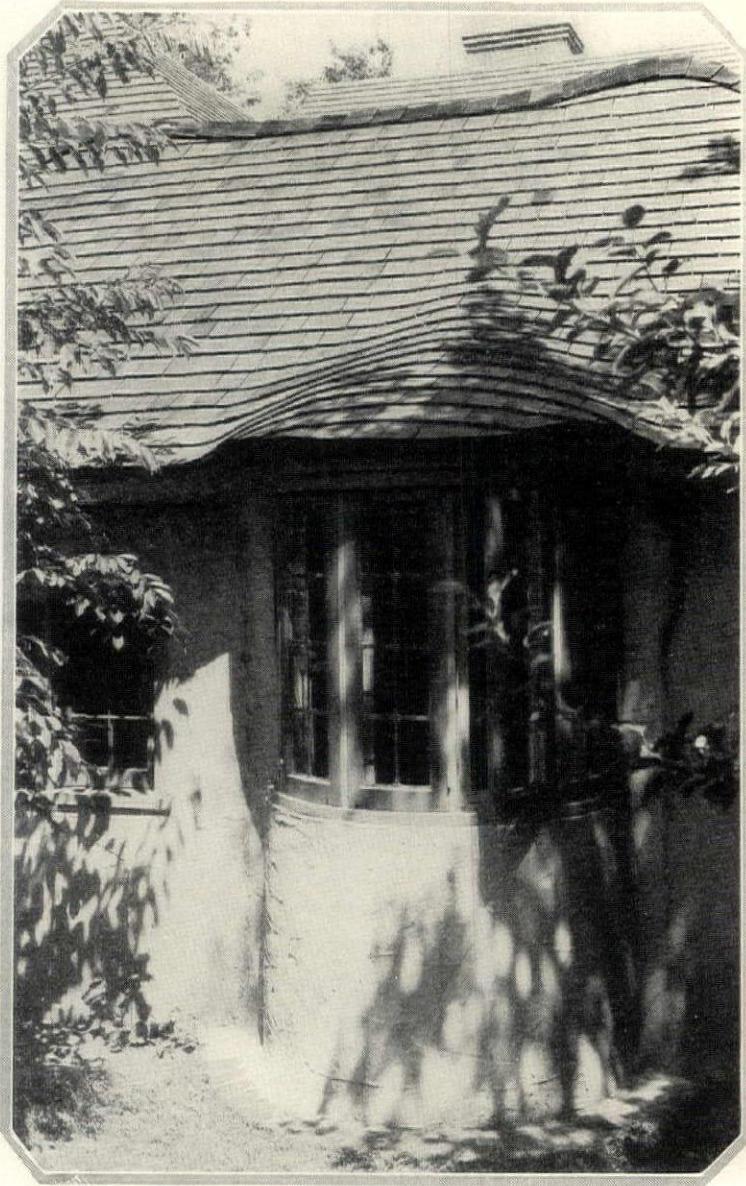
WESLEY S. BESELL, Architect

Where once stood the main entrance door of the original small house was developed this little circular bay window, with its flaring shingle roof laid not unlike thatch on an English cottage



The kitchen entrance is like the romantic corner of a set for "La Bohème." Its blue stone steps flanked with simple wrought iron balustrades lead to the service entry. The lintel over the kitchen windows is painted orange. We like the old street lamp, too

A feature of the dining hall is this semi-circular bay window. The panes are of leaded glass with shields in color. The window frames are blue-green and the trim a pleasing apple green



COLORS TO PAINT THE HOUSE

*Suitable Schemes for Various
Types of Houses are Given Here*

BERTON ELLIOT

IT is safe to say that the colors used in house painting represent fully fifty per cent of the value of painting to those living in their own homes.

The logic of this conclusion is realized when one stops to think there are just two major reasons for painting, both of about equal importance—preservation—and improved appearance of property. Many jobs register zero from the standpoint of improved home appearance, due entirely to the wrong use of colors. These jobs, therefore, may be properly said to give the owner only fifty per cent of the value possible to obtain from the money spent for painting.

The right use of color means more than picking out colors that look well together when paper samples are placed beside each other. The architecture of the house must be taken into consideration. Surroundings must also be considered. The colors of neighboring houses also have a bearing on the question.

SOME of the fundamentals governing the use of color in exterior painting will be of interest.

For instance: light, warm colors make surfaces appear larger. Dark colors tend to make them appear smaller. The modest cottage ordinarily appears to best advantage in the light, warm shades, while many a large dwelling, that would look ungainly and over-prominent in light shades, looks well balanced and stately in dark colors.

Cold, light colors, such as light gray or green, do not seem to change a surface appearance to any extent, and are known as neutral colors. They are often especially pleasing where a building is situated in an open, exposed plot, and not surrounded with trees.

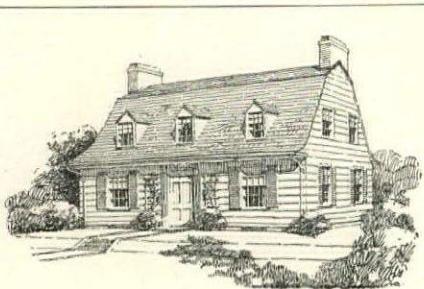
Bright, warm colors containing red or orange make a surface seem nearer to the eye. One of the places where this principle needs to be considered is in painting the pillars of the porch. A yellow body color, for instance, with green trim, requires the pillars in the yellow rather than the green, so they will hold their place out nearer the eye and preserve the architectural and structural value of the building. Blue is a retreating color, and should be used under opposite conditions.

The tall, narrow house can be made to appear lower and broader by keeping the body in a light tone, with a dark, contrasting color for trim.

A squat house will seem taller in grays or greens with dark trim—and care should

be taken not to emphasize any horizontal lines, painting them in the body color wherever possible.

In large, square houses, with a division between the first and second stories, if the upper part is in shingles, it may be done



DUTCH COLONIAL TYPES

1

Body	White
Roof	Emerald Green
Cornice, Corner Boards, Etc.	White
Blinds	Bright Green
Sash	White
Front Door	Bright Green

—Green shrubbery to break the hard foundation line, and give further pleasing contrast is very advisable.

2

Body	Cream
Roof	Red-Brown
Other Shingled Surfaces....	Moss Green
Cornice, Corner Boards, Etc.	White
Blinds	Moss Green
Sash	White
Front Door	Walnut Stain

—Sodded terraces are particularly appropriate with the Dutch Colonial type for all painting plans, but particularly with white and green schemes.

3

Body	Rich Ivory
Roof	Silver Gray
Other Shingle Surfaces....	Silver Gray
Cornice, Corner Boards, Etc.	Rich Ivory
Blinds	Rich Ivory
Sash	Walnut Stain

4

Body	Ivory
Roof	Emerald Green
Other Shingled Surfaces....	Olive Drab
Cornice, Corner Boards, Etc.	Ivory
Blinds	Olive Drab
Sash	Ivory
Front Door	Walnut Stain

with stain in a different tone from the lower part in siding. If, however, the entire house is in siding, it will usually cut the house in two and make it look too broad if the siding is painted in upper and lower

color. The difference in texture permits this treatment when the upper part is shingled.

Where a house is situated between two buildings in strong colors, do not use another strong color. It will ruin the looks of all three houses. Use, rather, a neat, modest color of neutral tone, with either the trim or roof color in a shade or tint of the strong adjoining color, thus forming a "color bridge" that will bind the three in harmony, and improve every one in appearance.

The trimming, an important element in the architectural plan, is even more important in the painting plan, as with the manipulation of the trim color it is frequently possible to modify the appearance of the house to a considerable extent. A trim color provides contrast and gives interest. Time and grime will soften the contrast, but not destroy the interest, whereas a season's grime will make a house in light color without a trim quite ugly, the grime being much more noticeable when no contrasting trim is provided. Introducing trim color does not necessarily mean the painting of cornice and corner boards in a trim color. Shutters, sash or flower boxes might be just right for the trim effect.

The correct combination of colors under individual prevailing conditions is necessary to a fully pleasing color scheme.

A GREAT deal of the success of painting depends upon having *exactly* the right tint. A very slight difference in color might mean the difference between the finest looking job and a very ordinary one. Colors can be very readily changed, either in prepared paint, or in a lead and oil mixture made by the painter on the job, by tinting with a little color in oil of the right shade. Ivory, for instance, can be made a little stronger by adding raw sienna, or a little lighter by adding white. Yellow can be made stronger by tinting with chrome yellow, and lightened with white, etc. To be entirely certain of the color, it is advisable to paint a small section of board in the number of coats to be applied, as some colors especially blues, dry out to a different shade than when first applied. With these colors the house will look considerably different the next day than it does immediately after the last coat has been applied. It is also a good idea, where practicable, to leave the front of the house until the last, so if the sides or end do not come out exactly right, the paint can be

(Continued on page 118)

A LITTLE PORTFOLIO OF GOOD INTERIORS



©Sigurd Fischer



The main feature of the attractive boudoir is the draped dressing table hung in coral colored taffeta, a nice contrast to the green walls. The hangings in this room are chintz in cream, coral and blue. Wm. A. French & Co. were the decorators

The portfolio this month is devoted to the home of Mme. Galli Curci at Highmount, N. Y. In keeping with the fine simplicity of the background are the sturdy oak pieces from originals in the Kensington Museum, H. T. Lindeberg, architect.



The long living room with its neutral tinted plaster walls, its unusual carved lintels and its fine built-in bookcase is given color by hangings of green wool damask and gay printed linen upholstery in a Jacobean design

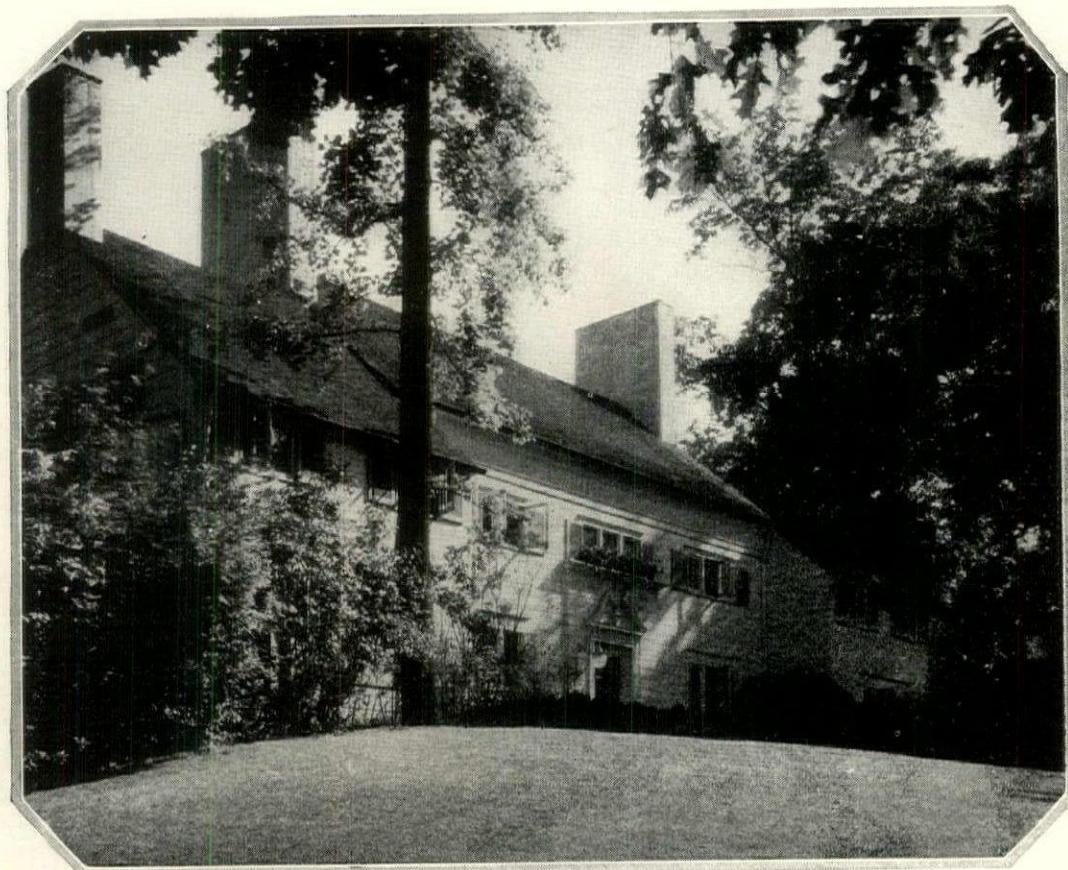
On either side of the wide fireplace in the living room is a small sofa done in mahogany colored damask. The modern, hand-tufted Spanish rug has a tête de nègre ground. Wm. A. French & Co. were the decorators



More interesting even than the living room is the studio with its effective beamed ceiling and finely proportioned leaded glass window. The curtains here are antique crimson damask and the upholstery, a block printed linen.

As this room is intended primarily for music the piano is given the place of honor in front of the high, crimson hung window. The cover of 15th Century Italian brocade provides brilliant color. Wm. A. French & Co., decorators





Scarcely another material offers a lovelier contrast to surrounding rich green foliage than white-painted wood: a fact made apparent by this Long Island house. Harrie T. Lindeberg, architect

BUILDING IN WOOD

The Most Characteristic of All American Materials is Capable of a Great Variety of Interesting Treatments

FREDERICK HOUSTON

THE continuation down into modern times, on any considerable scale, of the wood-framed house has been a distinctly American contribution to residential construction.

If our Atlantic seaboard had been settled with immigrants from Mediterranean Europe, with Italians or Spaniards for instance, we would not have received the tradition of mediaeval English wood construction which came in at our start,—and our early buildings would likely have been largely done in masonry.

Settled, however, with colonists from England, we became possessed of an ancient, but still vital, facility in the use of wood, both for framing and for covering the exterior of the house.

In the early 17th century, in England, wood construction was on the decline, for beginning with Elizabeth's time, England had taken to the sea, and her forests were being converted into ships and much less timber was available for building. Brick masonry, too, was coming into much more general use for the smaller farm and village houses, which but a little earlier would have been built with wood framing. But building with wood was by no means a bygone habit, and moreover the almost

universal earlier use of wood for the smaller homes meant that our first arrivals, largely village and country people, had probably been born and reared in wood framed houses.

These English wood framed houses were not generally sheathed or clapboarded in wood. Clapboards appear always to have been common enough in England, but not generally for covering the entire exterior, but rather for odds and ends of wall surface.

The English wood framed house was what we call "half timber", and generally presented on the surface the faces of its timber frame, with plastered or exposed brick fillings between. In spite of a great difference in surface appearance, this English "half timber" house was the immediate ancestor of our Colonial "frame" or "clapboarded" house. Many of our Colonial wood buildings, with the clapboard ripped off, would show themselves immediately akin to "half timber" even to the fillings of brick, or of mud and straw, set in between the beams. In this country, a rigorous climate, and a lack of lime for mortar or plaster made the further covering of clapboards or weather boards a necessity, and the wood was at hand for this

surface use, as well as for framing.

It is in New England that we have a fairly extensive remainder of very early framed buildings. There we have a considerable group dating well back into the 17th century, and showing strongly their Gothic derivation in their long narrow mass, high gabled roofs without dormers, and particularly with their overhanging second and attic stories. The broken chimney faces, too, hark back to Gothic usage, and add still further to the mediaeval flavor.

On these early houses there is little embellishment in the way of elaborately molded window and door trim and cornices. In the most elaborate, molded barge or gable boards, drops or pendants to the overhang, and the chimney treatment are all that show an effort toward dressing up,—but of all our wooden houses, these earliest ones show the greatest harmony between design and material. Their fine mass, with the sharply pitched gables, and strong chimney stacks, and particularly the narrow ribbon like clapboards, convey a sense of simple verity in the use of wood which has not been equaled in our later work.

(Continued on page 124)



Narrow clapboards and the use of irregular widths are characteristic of such late 17th century houses as "Solitary Cove," near New Haven, Ct. R. H. Dana, jr., architect of the restoration

The wall surfaces on this house have their boarding channeled and beveled to simulate the jointing in cut stone, a device which gives a delightful texture. Delano & Aldrich, the architects



In the house above the narrow clapboards bring out the scale of the window and door openings and enable one to realize the proportions of the building. Note the suppression of the second story overhang



An early New England house illustrates the device of the second story overhang with its ornamental pendants. The houses of the period show a sympathetic and intelligent use of woodwork and framing

GARDENING'S GREAT TEMPTATIONS

*How Best to Meet The Oncoming Barrage
Of Spring Seed And Nursery Catalogs*

DURING the course of a year the average gardener faces several minor and two major temptations. The minor temptations are the catalogs of the specialists; the major temptations are the spring and fall catalogs. He can yield to them—which is the easiest way to be rid of any temptation; or he can try to resist them—which is sportier game.

It has been estimated that about one thousand of the five thousand or so seed, bulb and nursery concerns in this country issue catalogs. The editions range from a few thousands to the hundreds of thousands. It is an appreciable body of literature. The investment involved is enormous. Save in the rarest cases, these catalogs are sent gratis. The average gardener has half a dozen of them; in fact, they are so abundant and so easily obtained that he is apt to undervalue the service they offer and, perhaps, fail to realize what lies behind them, what effort goes into their compilation, what expense in their presentation. If he ever does stop to think these matters over, he will thereafter treat a catalog with respect and, treating it with respect, will be able to obtain a maximum of service from it.

Like fat bulls of Bashan on every side, the seed catalogs will soon be upon us. How can we get the best from them?

Their contents will fall into three parts—the things you hope some day to afford, the things you buy although you can't afford them, and the things you simply can't live without. That collection of French hybrid Lilacs may be a dream eventually to attain; but that extra dozen of choice bulbs you allow yourself even though your purse be strained. And as for seeds, they are absolutely essential to a gardener's existence.

THE making out of your order is the obvious end to which the catalogs lead, and you are a wise gardener if you temper your selection with a measure of elimination. Not that some of the seedsman's offerings are worthless; merely that no one garden could possibly contain them all. You are faced with a thousand attractions where but ten or twenty can be accepted. If you fail to put the surplus resolutely out of mind, you will soon be floundering in a maze of indecisions.

Armed, therefore, with a blue pencil, a red one, and firmly mobilized will-power, you check off in red the items you simply must have, searching definitely for them and turning down the corners of the pages on which they are listed. This is the groundwork, the foundation planting, as it were. Into the compilation of

it no other allurements shall intrude.

Follows, then, a second and more leisurely conning of the pages during which blue checks are set against additional items which appeal to you as being particularly desirable. Go right through the catalog, designating each desired variety and jotting it down on a separate sheet of paper. At the end, you will have a list which, while it may be appallingly long, nevertheless has the merit of well organized arrangement. Pruning it down to workable proportions is simply a matter of courage.

ONCE the list itself is completed, it is an excellent plan to compare what several different catalogs have to say about the more important items. If A. & Co. has a particularly fine strain of Delphinium, that is the place to get Delphiniums, if B., Inc., features the world's best Iris, while A. has only the usual offering, you will naturally order your Iris from B.

It is a common mistake among inexperienced gardeners to order more seed than is needed. A ten cent packet, visualized from the catalog, suggests about enough to plant a square foot of soil; surely, at least half an ounce will be needed. Only when one gets on the ground and begins to plant does it become apparent that the half-ounce is about five times too much. In the interests of financial as well as seed economy, the wise purchaser of flower seeds limits himself to one or two packets of each variety, except in the case of such items as are wanted for broadcasting on a large scale. In vegetables, of course, one deals with birds of another feather, as it were; a half-pound of corn won't swamp a garden, nor will a peck of potatoes.

In the course of your prowlings through the catalogs you will find much that bears on the success of gardening other than its attainment through the choice of seeds. If we may translate a certain automobile manufacturer's slogan into terms of soil and root and flower, it's not only the purchase price that counts. The reliable seedsman knows that only by proper treatment can his wares be brought to full perfection in your garden, and so he interlards his descriptions with cultural directions and growing suggestions of many kinds. Even the experienced planter seeks these out and takes them to his heart (or his garden notebook), for they are based on professional knowledge of the highest order.

The modern seed, plant or nursery catalog, then, is more than a mere compilation of horticultural material offered for sale. It is a reference book of definite value and may well be added, with pleasure and profit, to

that shelf in the garden library where are kept the most practical of the garden books.

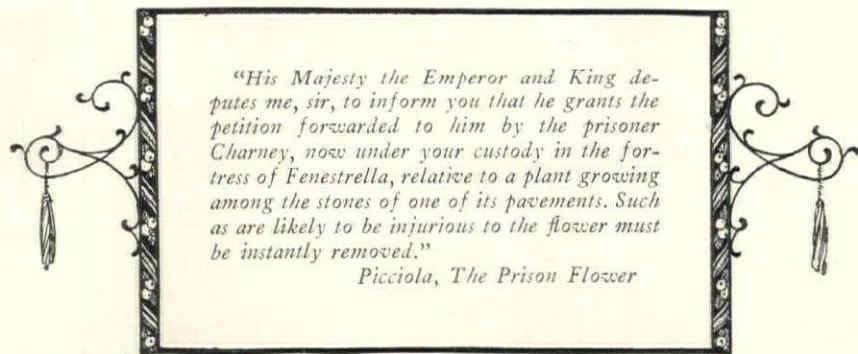
Of late years there has developed among plantsmen a tendency to offer "collections" of several varieties at lower prices per item than obtains in the general catalog list. These are often excellent opportunities. The reason for the reduction in price is not any lower standard of quality, but merely the increased number of orders which results from such offerings and the economy which results from making up stock orders in advance. It is the old story of small profits per order and large volume of sales.

It costs money to produce good planting material. Quality in seeds, plants or nursery stock is well worth paying for, and the producer is surely justified in the prices he asks. Now and then one comes upon real bargains—special offerings made to clear surplus stock or for some other reputable reason. These are excellent buys when offered by reliable concerns. But they should be investigated before ordering from a firm whose standing is open to question.

More and more, as time goes on, American plantsmen are becoming specialists and issuing catalogs devoted wholly to one or a few varieties. This is especially true of the flower people, among whom the practice of concentrating on such things as Dahlias, Peonies, Roses or Iris has produced some splendid results. These specialized catalogs are invaluable, especially to the gardener who has passed beyond the neophyte stage.

THERE is just one more word of advice—having made out your order for spring flower and vegetable seeds, be satisfied with it. Try a few of the novelties each year, but do not attempt to grow them all. Each year try a few of the things you never have grown, and if you succeed with them, put them on your list of absolute essentials and old friends, but remember that a few commonplace flowers and vegetables grown well constitutes better gardening than growing numberless novelties indifferently.

If you do have the misfortune to fail with some of the seeds you try, do not immediately blame the seedsman. Many factors contribute to successful plant growth of which fresh, good, clean seed is only one. And if you do not feel satisfied with shouldering the blame yourself, you can always lay it on the elements—the excess or lack of rain, the late frost, the burning heat, the wind, the obnoxious and omnipresent bug—destructive elements that the insurance policies, with pious astuteness, call "acts of God."



THE GARDEN BETWEEN WALLS

*The Story of How the Trodden Cinders of
Sing Sing Were Made to Blossom with the Rose*

RICHARDSON WRIGHT

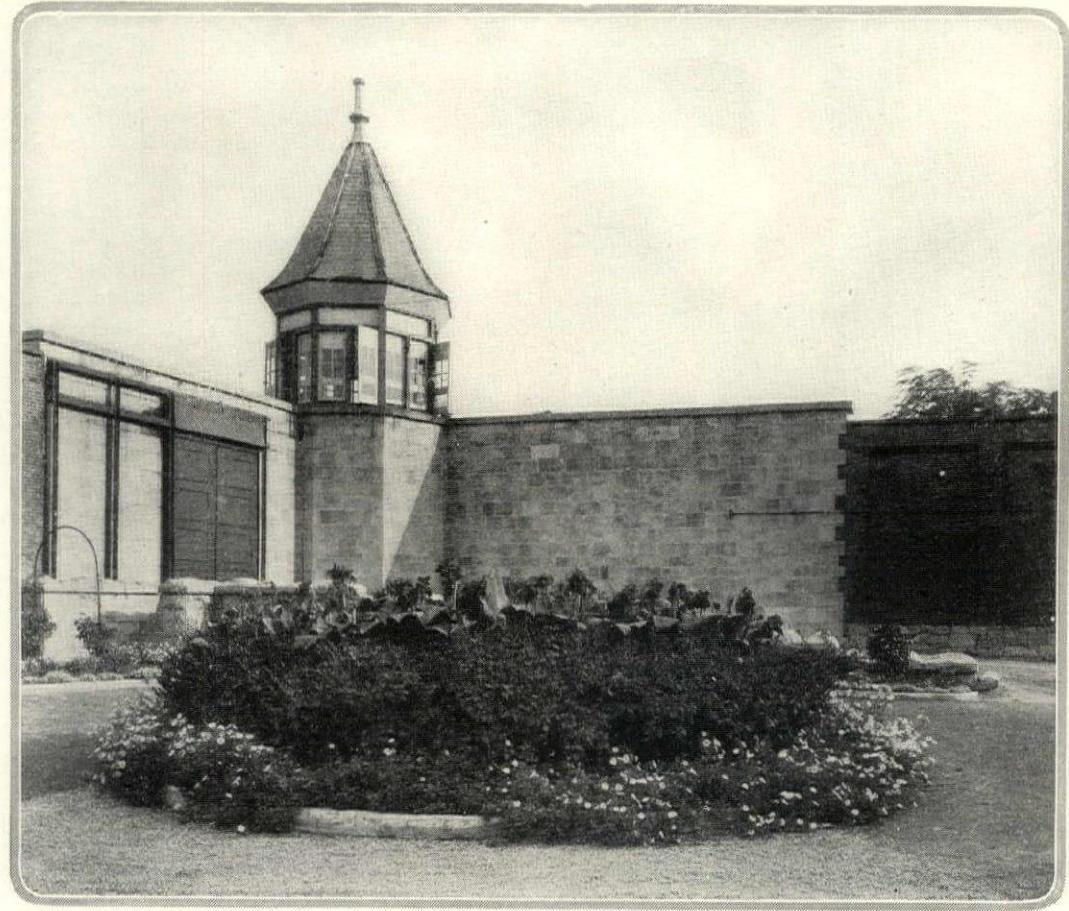
ALITTLE more than two years ago Father Cashin, the beloved Roman Catholic chaplain of Sing Sing Prison, bought a set of miniature garden tools for one of the life termers. The prisoner was ailing at the time and the gift was accompanied by the suggestion that a course in digging wouldn't do him any harm. Since his previous experience had been far removed from gardens and gardening, the suggestion seemed novel. His work had never led him into the great world of green growing things. A journalist all his life, editor of a big metropolitan daily, he had spent years purveying news about people in cities—trouble and crime and accident and scandal, success and failure, bombast

and boost and knock. Moreover he—Chapin is his name, Charles Chapin—stands about six feet high, and the tools were the size a child would use. It looked as though the padre were playing a joke.

However, the word spoken in jest bore fruit. The prisoner asked if he might be allowed to look after the lawn—the lawn space being limited to a small area in front of the offices, some strips in front of cell blocks and one lone flower bed. The permission given, it was then a problem where the lawn mower, the sickle, the hose and clippers would come from. Eventually they were purchased, and the purchase used up a quarter of the budget for the care of the grounds at Sing Sing that year. The

funds being exhausted, Chapin had to wait till another quarter rolled around before money was available for grass seed. In the orthodox manner of prisons, Sing Sing had a firm foundation of crushed rock and trodden cinders and old scrap iron, which, as any gardener can tell you, is scarcely the sort of thing to support plant life. Yet, as the summer passed, those strips of lawn kept thriving and the prisoner began to feel better. And feeling better and having had this initiation into the world of green growing things, he was visited by a strange ambition. He wondered if the warden would let him make a little flower garden.

Now, men in prison have practically no money, their every act is circumscribed by



Near the south gate, through which all prisoners first enter Sing Sing, was an area of crushed rock. From this spot the gardens began



For background the Rose Garden has the tall range of a six-story cell block. On the other side are the factories. In this space, laid out in formal designs, are the Rose beds



the sternest discipline, and things you and I would do without asking must first be passed on by the warden. Major Lewis F. Lawes was (and still is) the warden at Sing Sing. His administration has been remarkable for its long-ranged vision; he saw in this suggestion a worthwhile idea. Between the south gate (by which all prisoners enter) and the old execution house was an area of crushed rock. This was handed over to Chapin. So was a long stretch in front of one of the cell blocks.

At this point House & Garden

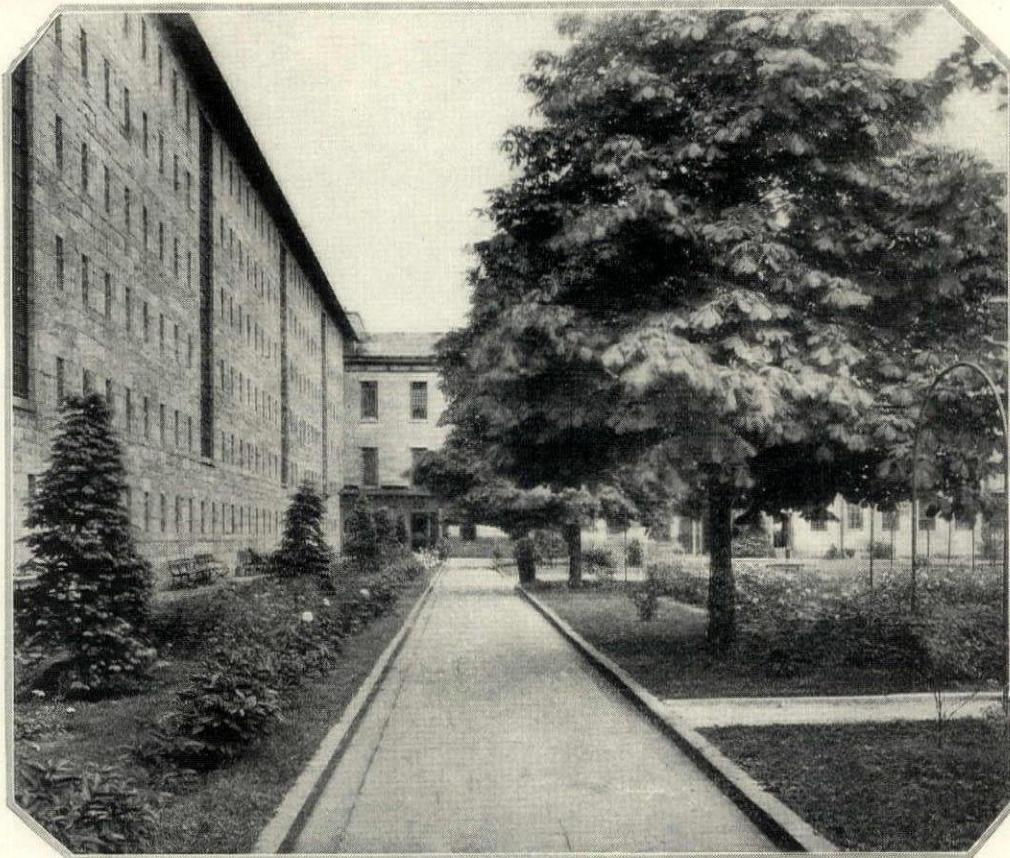
Beds that relieve this stretch of lawn are devoted to annuals planted in solid colorful blocks. This open space faces the Hudson and is the only unwalled area at Sing Sing



The fountain and basin at the middle of the Rose Garden are the work of an inmate. Two thousand plants find a place in this garden. Climbers will soon cover the arches

readers, garden lovers, seedsmen and nurserymen enter the story. Through the various garden magazines an appeal was made to gardeners to send surplus stock to Sing Sing. The answer was immediate and amazing. With this material Chapin and his inmate helpers made an herbaceous border 469 feet long, containing more than one thousand Iris plants, 150 Peonies, hundreds of other perennials and one hundred Rose bushes and six thousand spring flowering bulbs. Spaced at regular intervals are Blue

(Continued on page 92)



An herbaceous border, 469 feet long, extends down the front of one cell block. It contains, besides trees and shrubs, 1000 Iris plants, 150 Peonies, and over 6000 bulbs

A NEW RACE OF ROSES

The Author, Who Was the Creator of this Family, Describes His New Hardy Climbers

GEORGE C. THOMAS, JR.

THE first and greatest disappointment of Climbing Roses in the Central East is, or rather was, their lack of continued bloom.

The Wichurianas and their hybrids give a wonderful display in June; then evidently consider their duty done, and produce little more than foliage till frost—very often they lose most of that.

The Hybrid Tea Climber, with careful protection, does better, but at best its blooms are scattering; its growth varies, and often does not produce climbing habit; while, as a rule, it is subject to mildew, and loses foliage badly. It often winter-kills, and when this occurs gives practically no bloom.

Among the other classes of climbers, even including the new hybrids introduced from Europe, there are no kinds which really supply the want. The Tea Climbers and Noisettes, which are so wonderful as ever-blooming climbers in our own South, are useless where zero conditions obtain, and even that best of Southern varieties—Climbing Cecile Brunner—cannot be grown on account of winter-killing. It is true that in some seacoast areas in the East and North-west the moist, ocean climate aids the blooming of some varieties, but this is an exception to the general rule, and cannot be counted upon.

From 1901 to 1912, near Philadelphia, Pa., the writer tried everything obtainable, and after deciding that the ever-blooming hardy climber for his district did not then exist, commenced the experiment of securing it by hybridization.

Without going into too much detail of the work, it is sufficient to say that from 1912 to 1920 a process of elimination was carried on to produce the ideal desired. Practically every type of hardy climber was bred to all the ever-blooming bush roses, and at first valuable seedlings were few and far between; but after the first year, new kinds, which gave partial success, appeared, and their parents were at once used more extensively in new experi-

ments; and they themselves were tried as parents.

During 1920, a few of these seedlings were sent to the International Test Garden at Portland, Oregon; and one of them—W. F. Kendrick—a semi-climber, hardy and of ever-blooming habit, won second prize in the open competition and first among the amateur productions.

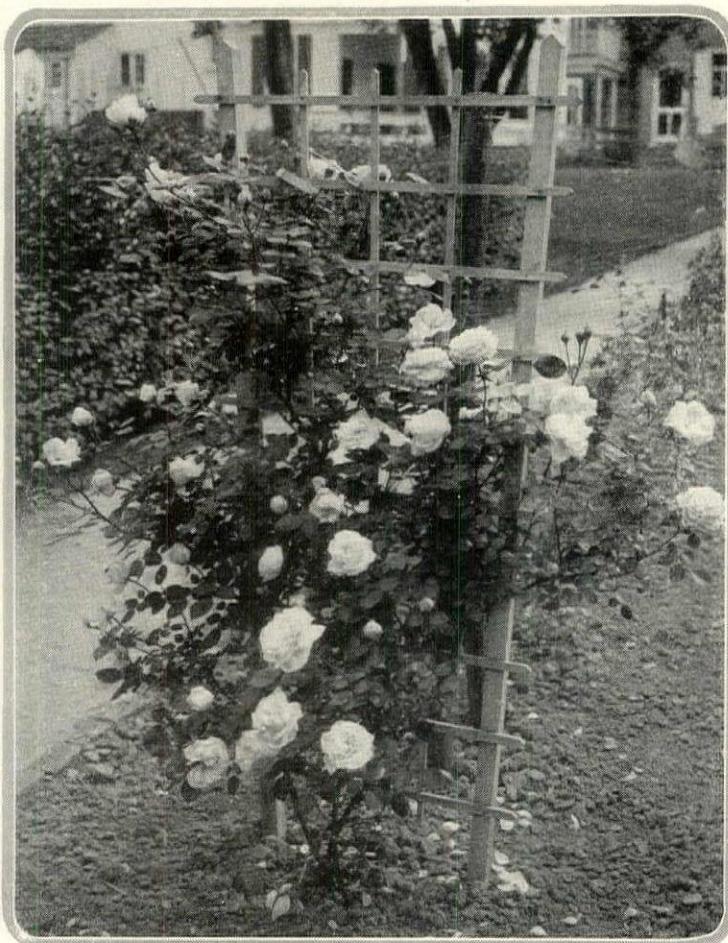
In the same competition, another seedling, Bloomfield Abundance, gave over 300 blooms during the season at Portland, and proved itself of merit as a hardy ever-bloomer of semi-climbing habit.

Abundance has been a pollen parent of the greatest worth, as it produced, among other seedlings, Cascadia, a rose which won the gold medal of the Portland Rose Society in 1922; and also Bloomfield Perfection, a variety as yet unknown outside of the author's garden, but the most valuable of the race, as its flower is of greater beauty and lasting, and it has well defined perfume, besides the other necessary requisites.

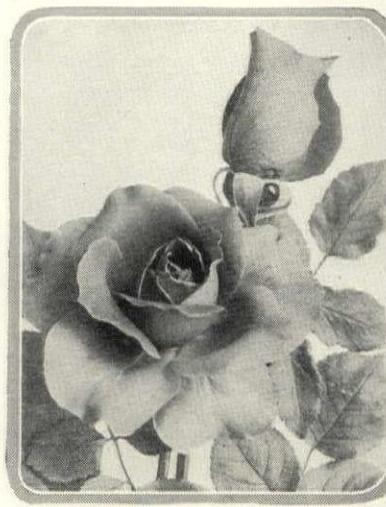
Meantime, from a cross between Climbing Caroline Testout and the Hybrid Musk Moonlight, another gold medal Portland winner was bred, and was named "Mrs. George C. Thomas." This rose also won a gold medal put up that year by the American Rose Society. In addition to these winners there were a number of other climbers and large growing ever-blooming hedge roses which were of considerable value; and among the latter was a cross between the dwarf Wichuriana Sylvia and Druschki, which has been in commerce a number of years. This rose, Bloomfield Perpetual, is a single white with growth up to five feet, and of strong, bushy, upright habit, excellent foliage, and a blooming season from May to November, near Philadelphia. This hedge rose is also



"Dr. Huey," a dark crimson maroon with light yellow stamens, the flowers borne in clusters. For this rose Mr. Thomas was awarded the Hubbard Memorial Medal by the American Rose Society

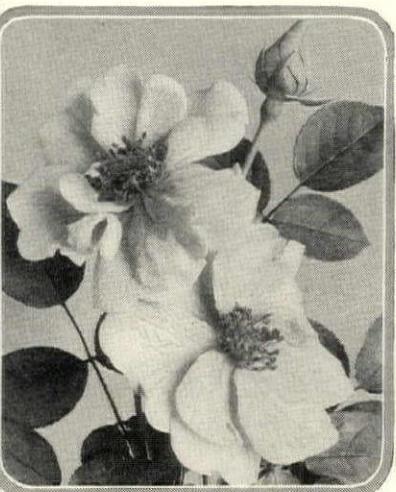


"W. F. Kendrick" is a pillar Rose, bearing silver white flowers with peachblush center. It is a favorite in Portland, Oregon, where it was awarded a silver medal



"Bloomfield Progress" is a scarlet Thomas Hybrid Tea Rose somewhat like General MacArthur

(Right) A salmony pink is the color of "Bloomfield Abundance," a hardy Rose in some sections



Salmon pink to orange is "Mrs. George C. Thomas," an ever-blooming climber to eight feet high

(Below) "Bloomfield Decoration" is borne in clusters, cerise pink with yellow stamens

perfectly hardy, as recommended in the Central East, and should be tested further North.

Among a number of other varieties may be mentioned Bloomfield Decoration, the result of a cross between Sylvia, noted above, and Arndt. This rose blooms constantly and is hardy in the Central East, with growth there close to six feet; but its greatest value has been found to be in Southern climates, where it gives a much greater growth, and in the California seacoast region reaches fifteen feet and blooms constantly during the entire year.

There are other roses of this class which have filled the requirements desired, but we have restricted our list to those which have shown the greatest hardiness in zones with heavy frost or remarkable merit in Southern climates. The characteristics as described are given most conservatively, and until this new race is tried carefully in our varied conditions it should not be planted in districts not recommended. For example, Bloomfield Defiance is a rose which does remarkably well in Philadelphia, giving plenty of color in its bloom; but in California sunlight this variety is nearly white, and therefore of little value, as it is inferior to Climbing Cecile Brunner which it somewhat resembles, while, per contra, near Philadelphia Cecile Brunner winter-kills to



the ground. Again, Mrs. George C. Thomas has the fault of losing foliage near Philadelphia, while it holds this well in the Pacific North-west. In California this last rose is of little value, as its blooms, for some reason, do not develop as in the North-west, and it loses foliage during the long growing season.

In "Roses for all American Climates," the very best of these new roses are described and recommended for the climates for which they are best adapted. There is not sufficient space in this article to explain rose characteristics as governed by climatic conditions, but if the descriptions hereafter given are carefully read and the varieties planted in the localities for which they are recommended, they will be found to be of the greatest value; and as they are more fully tested throughout the country it will eventually be possible to recommend them for additional districts.

The outstanding fact established by this experimental work is that a perfect ever-blooming, hardy climber is not only a possibility but a surety, provided the foundation work already accomplished is carried on. And in this connection it should be frankly stated that the new race as already produced is not by any means the ultimate conclusion, as it does not furnish an absolutely perfect answer to all the desired requirements; but it

(Continued on page 98)

THE BEAUTY OF BARBERRIES

Although Some Are Commonly Grown There Are Uncommon Forms Of This Shrub Worth Trying In Our Gardens

E. H. WILSON, V. M. H.

BARBERRIES are in the forward ranks of garden shrubs. They possess many virtues which make them useful in a variety of ways. As ornamental shrubs they are worth growing for their beauty of habit, for their foliage and for their fruit. All the deciduous sorts display fine autumnal coloring. Many kinds are valuable as hedge-plants and several of the *Mahonia* group are perfect ground-covers. In general they prefer a warm loamy soil but are by no means fastidious. Propagation by cuttings of fairly ripened wood is moderately easy and seeds germinate freely though the species have a marked tendency to hybridize and produce mongrel races.

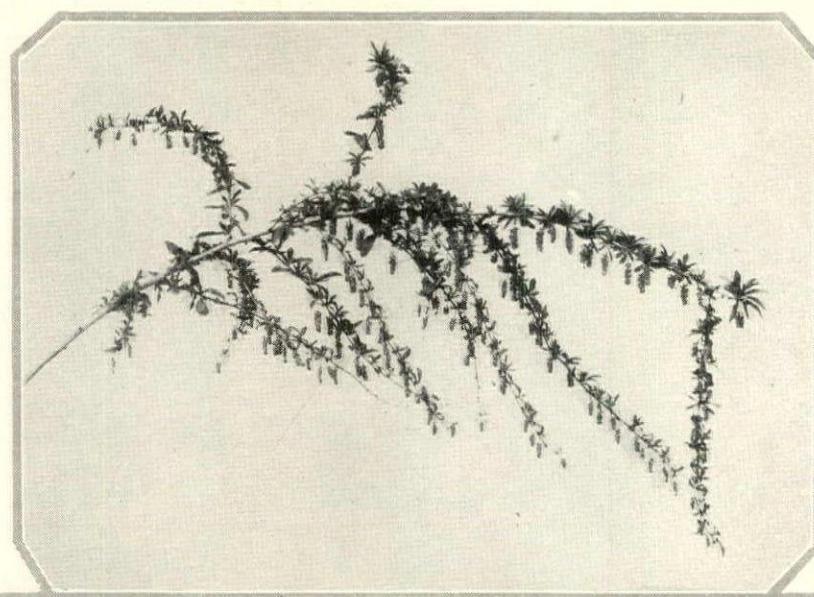
There is a strong family likeness among the Barberries. All are shrubs but they vary in size from low plants a foot high to huge bushes twenty feet tall. The leading characteristics are the yellow wood, yellow flowers in parts of three, a red, black or blue-black, globose, oblong or egg-shaped berry containing from one to several seeds. The curious may note that the stamens are irritable and if touched at the base with a fine-pointed pencil or pin, they spring forward to the pistil. The object of this power is to insure cross-pollination. A bee in search of honey pushes itself into

the flower, sets the stamens in action and becoming itself smeared with pollen carries it away to another flower and deposits it on the stigma. The true Barberries all have simple leaves which in many species fall in the autumn and in others are retained throughout the winter and are armed with spines, often of formidable size and strength, which may be straight and simple as in *B. Thunbergii*, three-partite and trident-like as in the majority of species or much-divided and often curved as in *B. actinacantha* and a few others. For the purpose of this article the group with pinnate leaves, often referred to another genus under the name of *Mahonia*, may be included. These are all evergreen and without spines.

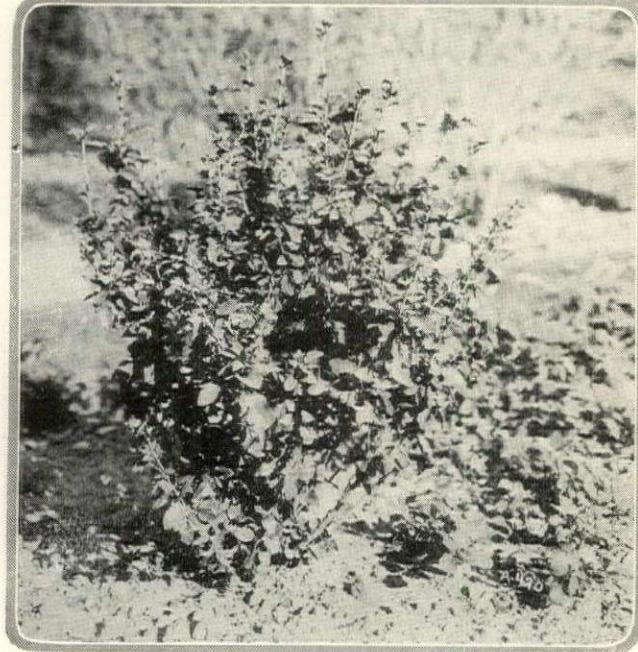
In this era of quarantine regulations many Barberries are banned from cultivation in certain parts of this country. Some like *B. vulgaris* are the host of one stage in the life-history of a Fungus which causes the rust on wheat and where this cereal is seriously cultivated it is proper that these host-plants should be kept at a safe distance. But there is no need for panic nor panic-legislation. The disease known as Rust is nothing new, neither is the knowledge that it is intimately associated with the presence of certain kinds of Barberries. The farmer of China, Europe and America knew this long before the scientist had discovered the Fungus much less worked out its remarkable life history. For we know not how many centuries the pest has been known but

wheat has continued to be none the less successfully grown. Those fond of history may have heard that on January 13, 1755, there was published "The Barberry law of Massachusetts entitled 'An Act to prevent damage to English Grain arising from Barberry bushes'—"Whereas it has been found by experience that the blasting of wheat and other English grains is often occasioned by Barberry bushes to the great loss and damage of the inhabitants of the province:

(Continued on page 110)



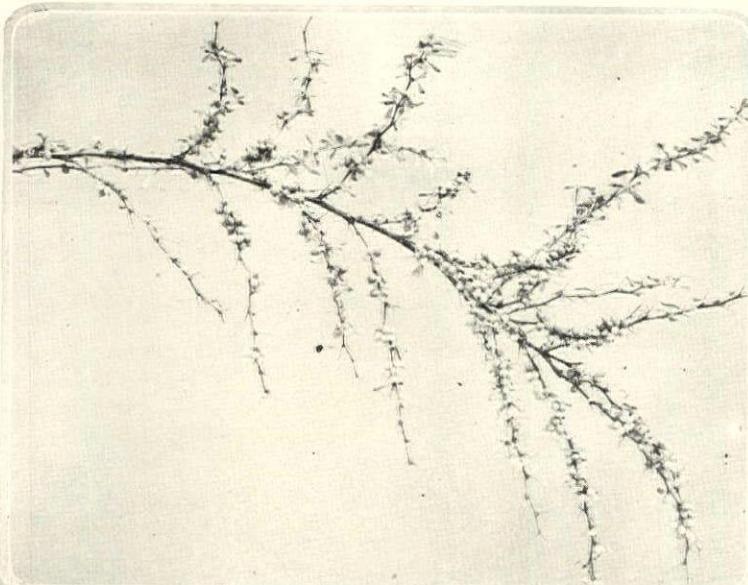
A flowering branch of the lovely *Berberis vernae*, yellow flowers on bright red branches followed by salmon fruit



(Left) *Mahoberberis Nieubertii* is a hybrid between the Oregon Grape and the common Barberry of the meadows

(Right) The hardiest of evergreen Barberries is *Berberis Julianae*, with rigid branches and shining green leaves



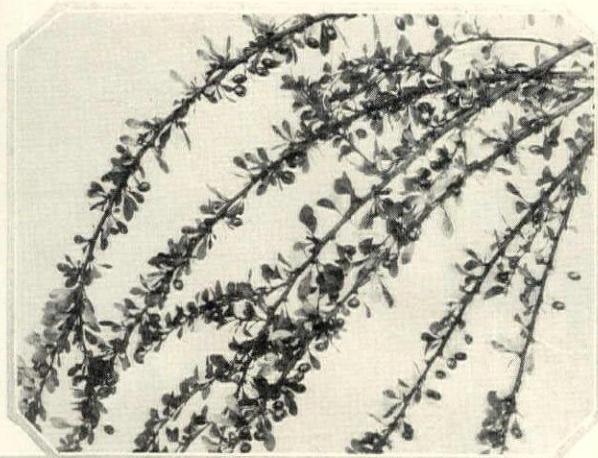


(Below) Compare this fruiting branch of *Berberis vernae* with the delicate flowering branch on the opposite page. The salmon-colored fruits weigh down the branches in Autumn. One of Mr. Wilson's discoveries in the Orient

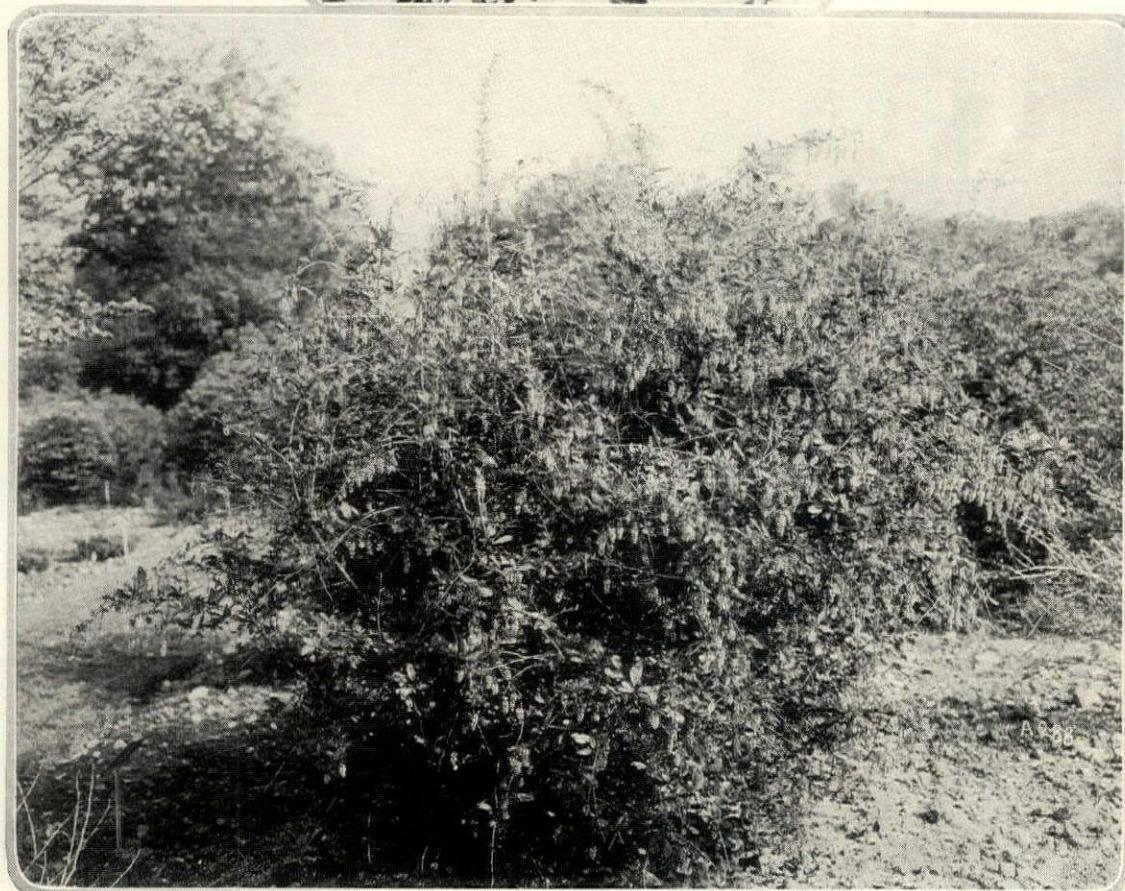
Berberis vulgaris is the common Barberry of our meadows and woods. Its hanging racemes of bright red berries make it a prominent feature of autumn landscapes. It is often quarantined because it is a host for wheat rust



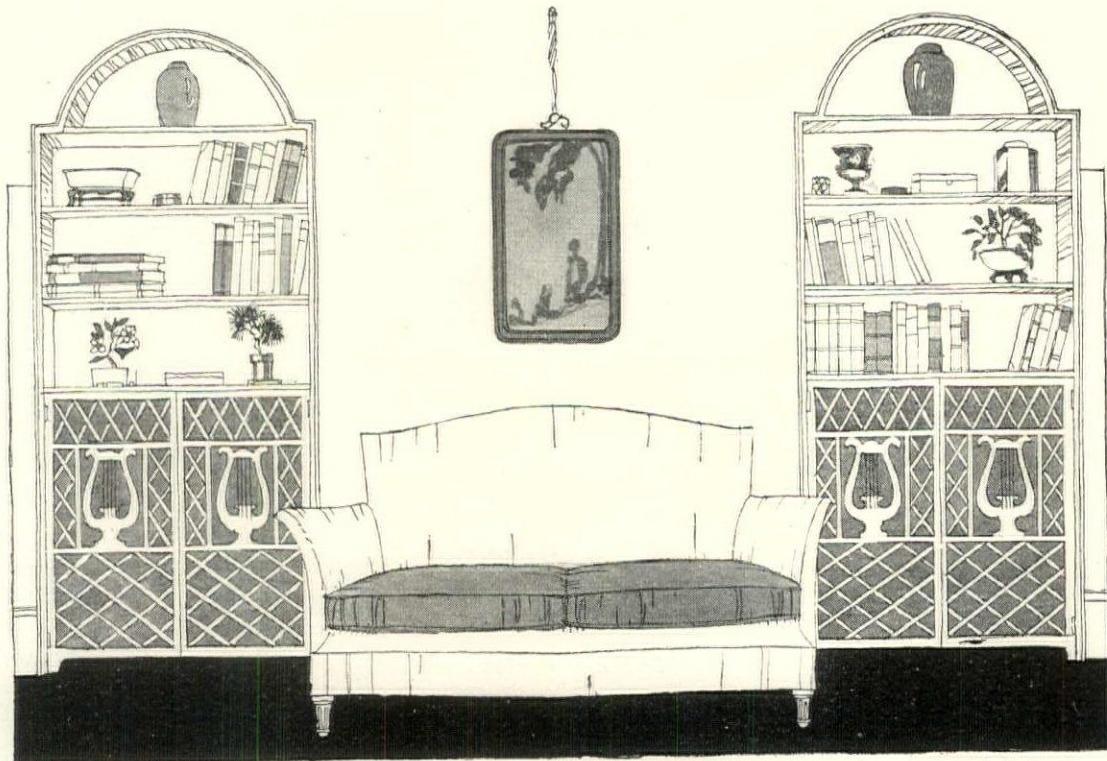
In the autumn *Berberis subcauliflora* bears clusters of semi-translucent fruits. It grows to a tall plant. Its leaves are small and gray-green in color



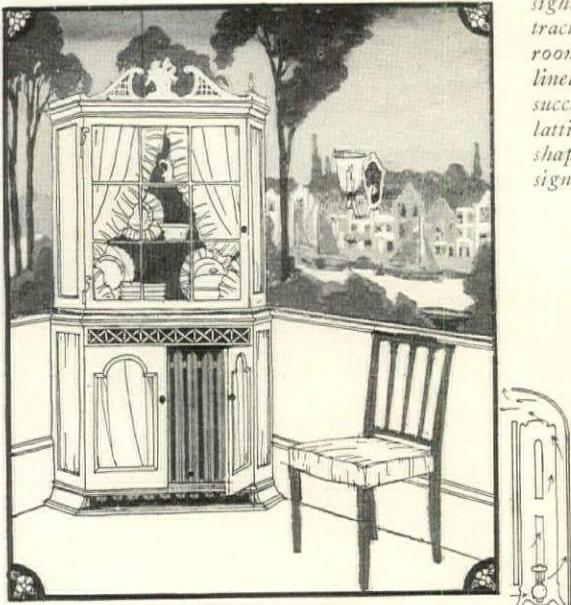
(Above, center) A fruiting branch of the popular *Berberis thunbergii*, whose scarlet berries throughout the winter glow like jewels. This shrub was introduced by the Arnold Arboretum



Berberis brachypoda is characterized by its heavy shoots and leaves. Its fruit is scarlet and hangs in racemes. China is its native heath. It is suitable for either massed or specimen planting



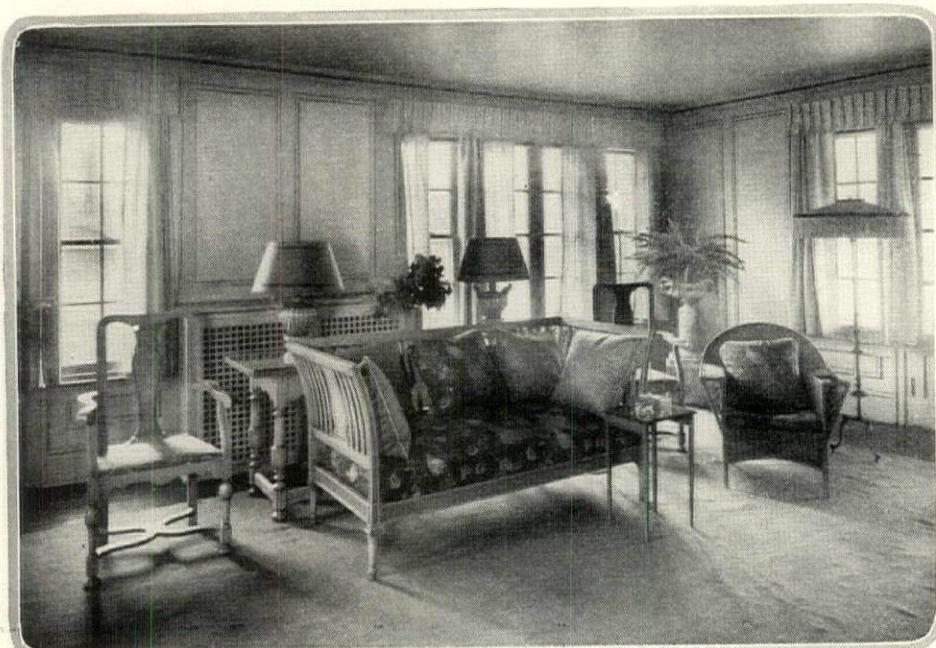
A radiator at the best is an unsightly thing and invariably detracts from the appearance of a room. Placed beneath bookshelves lined with asbestos it may be successfully concealed by a wood lattice with a decorative lyre shaped motif in the center. Designed by Harry C. Richardson



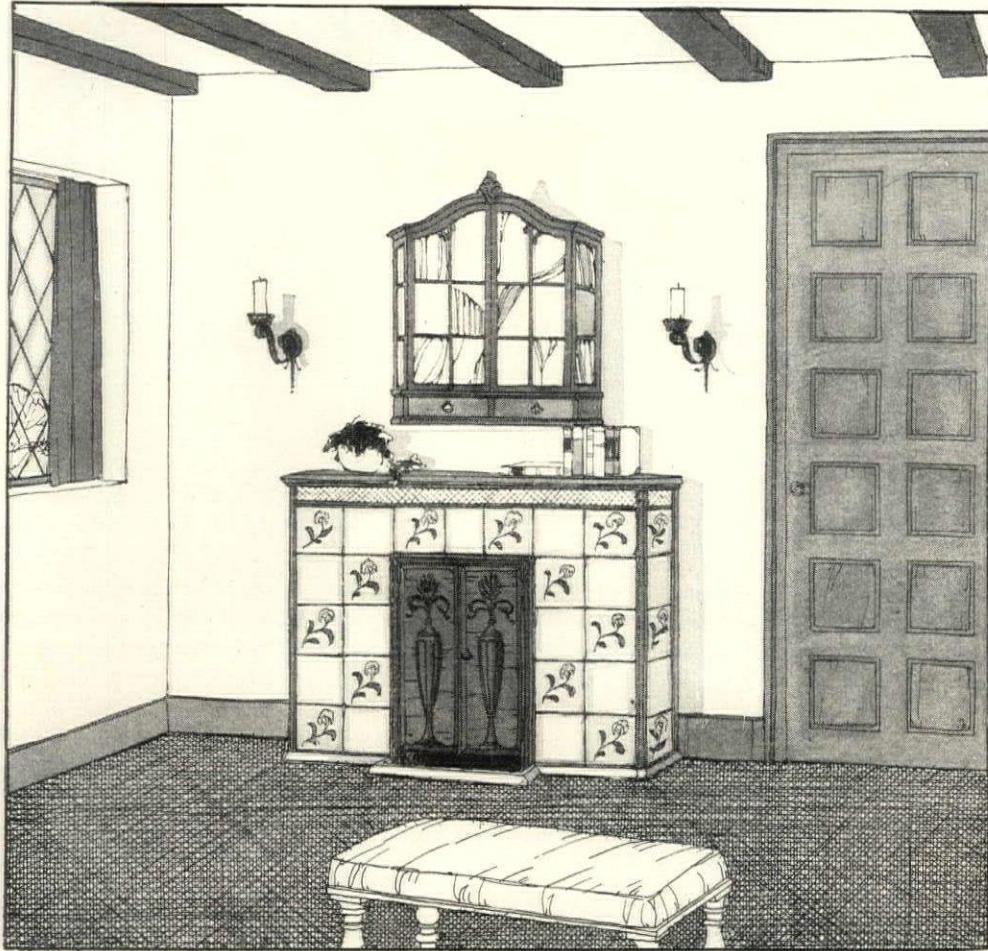
In place of disfiguring the side wall, the radiator in the dining room above is placed in the lower portion of a corner cupboard. The opening at the bottom and the grille above the doors allow for air circulation



A radiator in a recessed window is concealed with a metal grille and flanked by built-in bookcases. Grilles in bronze, brass or ivory white finish come in square, diagonal and period patterns. Tuttle & Bailey



When a radiator protrudes into the room, as in the sunroom at the left, it is rendered less conspicuous by an enclosure of metal grilles painted the same color as the walls. The top may be used to hold plants



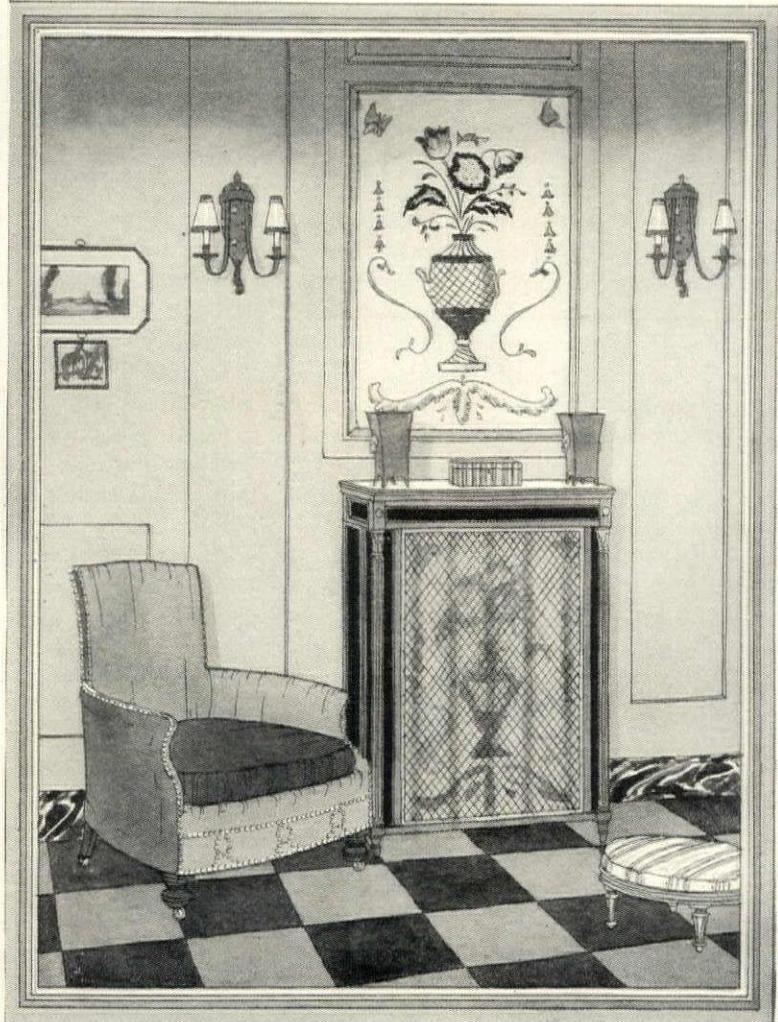
One would never suspect that the quaint, gaily colored tile stove above conceals a modern radiator. The doors, with their decorative openwork design, are of cast iron. Designed by Harry C. Richardson



In the bedroom above a radiator in front of the windows was covered with an asbestos lined board and converted into a commodious dressing table that has been hung in apple green organdie. Chapin, Harper & Dutel were the decorators

In a room with a French feeling the radiator may be enclosed in a cabinet on Directoire lines. The front is wire netting backed by a fabric panel to go with the color scheme of the room

SUGGESTIONS FOR CONCEALING THE RADIATOR



A N O U T L I N E O F O U T L E T S

Electric Wiring Wisdom Depends Greatly Upon the Proper Location of Connections and the Placing of Switches

DONALD M. FORFAR, M. E.

THE electrical home, how often one hears the term. A home equipped with a system of wiring and electrical outlets arranged to provide for good lighting so that the greatest use may be made of the many time and labor saving, comfort bringing electrical appliances of the present day. Much of our leisure time is spent in the home, hence the very natural desire to make it as comfortable as possible. The subject of a proper and adequate electrical installation should therefore receive close attention from every home owner, architect and builder.

Now, just what constitutes a proper and adequate electrical installation? There are no hide-bound rules covering this question as each home presents its own particular problems. What might be considered proper for one abode would possibly be considered overdone or inadequate for another. Generally speaking, however, there are certain essentials common to all installations and it is only in the magnitude thereof that differences exist.

Grades of material used by contractors, such as wire, conduit connection boxes, cabinets, etc., and the manner of installation are all pretty well covered as to minimum requirements by the various local ordinances, which also provide for a certain amount of inspection work.

There is the question of the main lighting and switch outlets and their locations. A careful study of the house plans should be made and, preferably, in conjunction with someone more or less familiar with electrical layouts and house requirements. You will want certain of your lighting outlets controlled from more than one point so that a person may pass on through from, say, front to rear or up or down, lighting the way ahead and darkening the way behind without any retracing of steps. Also there will be occasions when brilliant lighting should be had in the main rooms as opposed to the more subdued effects generally desired. This flexibility can be obtained by proper grouping of outlets and switching arrangement.

RECEPTACLE outlets located at various points for convenient plugging in of portable lamps or other electrical devices should be provided for. These plug-in outlets have become known quite generally by the term "convenience outlet" and are referred to as such by electrical dealers. New electrical devices particularly adaptable to the home are constantly being put on

the market and a few extra "convenience outlets" scattered here and there will never cause regret.

Remember that the cost of adding extra outlets after building operations have ceased will be more than double what the cost would have been if added at the time the main electrical system was being installed. The solution is to provide plenty of receptacles of the wall, baseboard or floor types for the convenient location and connection of portable lamps and other electrical appliances.

Provisions should also be made for complete electric cooking. An electric range requires a heavy, special circuit and the conduit, at least, for this circuit should be installed at the time of building as it can be done then at much less expense than later. This permits the installation of the wiring proper at any convenient time.

WITH the electrical outlet and switch locations all fixed, the next step is the proper layout of the wiring system to these outlets. The maximum load or capacity, expressed in the electrical term "watts," which any one outlet may be called upon to serve, is either known definitely or is approximated. One or more outlets are then connected up together to form a circuit. A circuit is the electrical term for a wire loop that runs from a fuse cabinet or box to one or more outlets and thence back to the fuse box, proper side connections and loops being made from the outlets to their controlling switches as required. Ordinances in various sections of the country differ somewhat as to the maximum allowable watts per circuit, but the generally accepted value now used is 1000.

The circuits as initially laid out may be pretty well loaded up and hence the addition of extra outlets to a circuit after the wiring is in place may mean that the circuit will be overloaded with resultant annoyance due to fuse blowouts.

A main service cutout switch of the knife blade type and main fuses are provided generally in a separate cabinet and constitute the connecting link between the outside service wires and the fuse cabinet or box above mentioned.

In drawing up the electrical layout provision should be made for carrying telephone wires to point where telephone instrument will be located. This is generally accomplished by running a conduit from basement up point or points where the instruments are to be installed and there

terminate in outlet box with bushed wall plate ready for wiring installation by the telephone company.

Having decided on the locations of outlets and scheme of distribution for the various circuits, we come to the selection of the special devices such as fuse cabinet, switches, plug receptacles, etc.

First, with regard to the fuse cabinet. As hereinbefore stated, this is the point where all circuits start and terminate, where all fuses are located for protection of the circuits from overload, in fact, it is virtually the heart of the whole electrical system and is the point where we must look for trouble, whenever the supply of current fails in any portion of the house.

In the past the tendency for house systems has been to install the open type porcelain fuse blocks with open wiring, all placed within a steel cabinet. Costs had to be kept down and this type of installation was the best the average house could afford. In the home, however, where the women and children often find it necessary to look for and replace burnt-out fuses, the real need of some arrangement whereby maximum protection will be afforded at small cost has long been recognized. To meet this demand various electrical companies have placed upon the market small compact panel fuse boards all mounted for installation in steel cabinets and arranged such that fuses may be readily taken out and replaced without danger of the hand coming in contact with live parts, which would mean a shock and possibly a severe burn. This type of panel is known to the electrical trade as the "Safety" type and can now be installed at but little additional cost over the old porcelain block affair. These safety type panels may also be arranged with push button or tumble switch cutouts for each fused circuit, if so desired. The cost with separate switches is naturally greater, but in the writer's opinion it is a desirable addition from the standpoint of control, safety and convenience in finding blown fuses.

OF the switches for control of lights in the various rooms, there is the single pole, three way and four way types, all of which may be the push button pattern or the tumbler pattern. The tumbler pattern switch has during the past two or three years come into great favor due in part to its very neat appearance and in part to its ease of operation. A child reaching up to

(Continued on page 102)

FLOOR CLEANERS AND POLISHERS

*New Labor Saving Devices for the Modern House
Which Almost Effortlessly Perform Difficult Tasks*

ETHEL R. PEYSER

IT had to come—it was as inevitable as sunset! The floor machine that scrubs, waxes, sandpapers and polishes is born! And one of the greatest burdens of home management has been lifted.

The floor machine as it exists today is a device so unlike the suction cleaner as to forbid comparison. Yet it does for scrubbing and polishing what the cleaner does for sweeping and dusting. It saves the back and it saves the knees—and it takes the "chore" out of floor scrubbing—the most menial of the household processes. In other words it is responsible for eliminating the disease that Jerome K. Jerome likes to call "Housemaid's Knee," for no longer is floor cleaning in a genuflexing media but is in the erect, standing-on-two-feet classification.

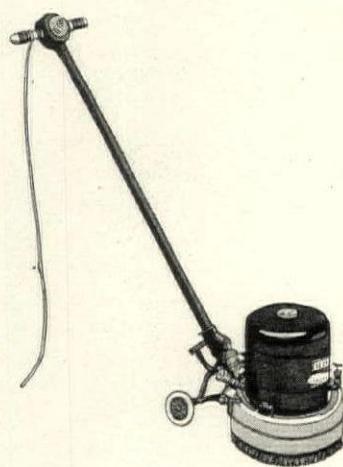
This is a tremendous gain in home economies and economics. It means again, as with the advent of each new piece of machinery, the elimination of another human servitor—or part (time) of one as is so customary today in this sparsely servant era!

And so the floor machine caps the climax of the Domestic Industrial Revolution—the Revolution which has occurred in the home—by giving more of the menial work to skillful machines to do.

The floor cleaner and polisher, then, is a machine—at a distance looking somewhat like the suction cleaner—a bigger floor piece than the cleaner, a long handle, a wire for attachment to the electric convenience outlet and the tools, or brush attachments, one for scrubbing, another for refinishing, another for wax polishing, etc.

In the floor piece, which is round, is the motor, which can be bought for alternating or direct current. In it too are the brushes which are interchangeable and include those for scrubbing, polishing, scraping, as well as the pads for waxing.

In the floor piece of some polishing machines is the wax receptacle, while in others the wax must be applied to



This floor machine, fitted with proper brushes, scrubs, waxes and polishes quickly, quietly and thoroughly.

the floor "by hand" as it were.

The "by hand" wlexer is a lighter machine and is better adapted to home use although the lighter and heavier types need no pushing—only steering, as the brushes carry them along.

These polishers are all heavier than vacuum cleaners because it is necessary in scraping, polishing, waxing, to have pressure on the floor. But as they roll from room to room on small wheels the weight of the machines is not noticed.

Pressure and speed of

brushes are necessary, which translated; is elbow grease, or the effort which has made floor scrubbing a torture since the time floors were first scrubbed. So the polishers must be heavy to function well, and they do.

The efficacy of spreading wax on linoleum depends upon its penetration into the pores of the linoleum. To preserve the linoleum beautifully the wax *must* reach deeply into the pores. The floor machine can do this far more effectively than the human arm. And furthermore no excess wax is wasted to make the floor grimy and sticky and gather dust. It saves wax because it spreads it evenly, well and deeply.

To keep wood floors in a constant state of polish and beauty, the machine is without equal for swift work, thoroughness and for finesse.

This device is so built as to get into small spaces, between things, and under things,

(Continued on page 106)



The rotating brushes have a flare which makes it possible to clean and polish right up to the baseboard and in awkward corners.



Gillies

The free-standing stair is one of the noblest of architectural efforts. It has been successfully placed in the house of J. H. Carstairs, Ardmore, Pa.; John Russell Pope, architect

Among the features of the hallway in this Massachusetts country house is the floor, laid out in an unusual and irregular lozenge pattern and giving diversity to this chaste interior



M. E. Hewitt

ELABORATE AND SIMPLE HALLWAYS

*For A Diversity
Of Houses*



Enclosed stairs are quite common in old country houses. They can be made further interesting by using the same wall treatment on the stair walls as is in the hallway. Decorations by R. H. Macy & Co.



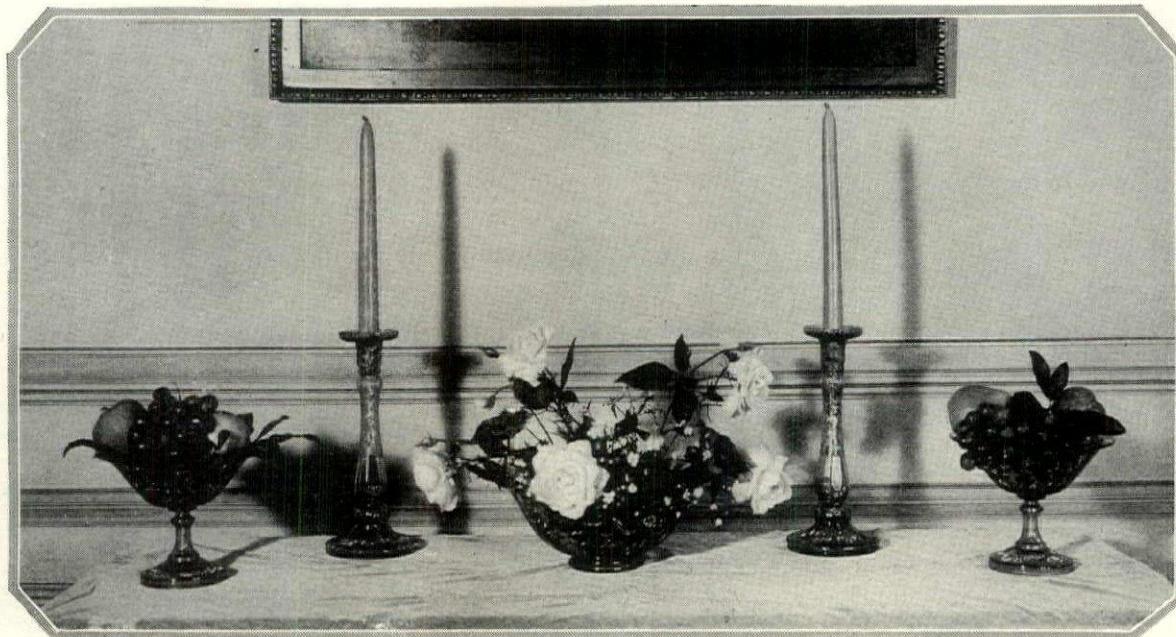
M. E. Hewitt

In the small house the employment of a dominant color, especially a pale one, in several rooms and in the main approach to them, gives a sense of space. This enlarging atmosphere has been gained here by painting the walls and woodwork and stairs a pale gray



Another form of stairs is the type that is partially free standing. This example, from a house in London, shows the balusters on the farther side stopping when the curve reaches the wall, although the handrail is continued.

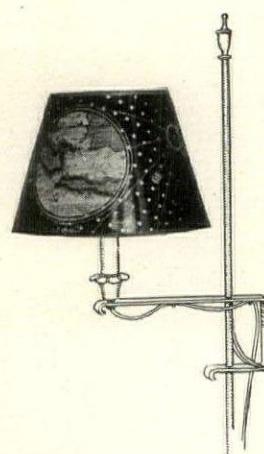
The entrance hall in the home of Mrs. A. L. Gates at Locust Valley, L. I. shows a circular stairs which is not free standing, since one side is attached to the wall. Its form, however, is pleasing and can be recommended for small houses. Walker & Gillette, architects



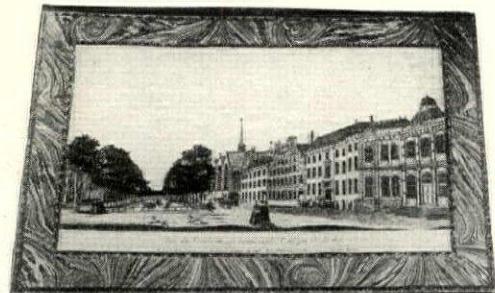
The Czechoslovakian glass above is a lovely powder blue color combined with clear crystal. The console set consisting of candlesticks, bowl and comports may be purchased for \$35.50



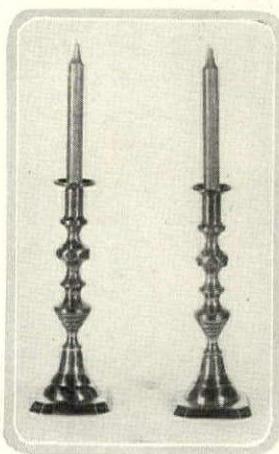
Above is an unusual red lacquer cigarette box with a quaint Chinese design in gold and black on the cover, and flower motifs on the sides. It is 5 inches long, \$5.25



This shade for a bridge lamp is made of black and gold polka dot paper decorated with an old map and bound in lacquer red, \$18.50. Iron lamp in red and gold, \$12.50



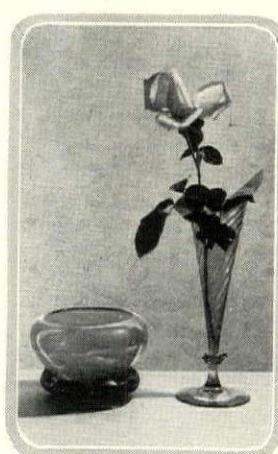
The commodious portfolio above is covered in marbleized paper and decorated on one side with an old French print in colors. It is 16 inches long and 12 wide, \$5.25



For a living room, library or man's room comes an attractive pair of brass candlesticks in an interesting old English design. \$8.25 a pair. 11 inches high



An excellent copy of a Normandy chair with delicate, turned legs and decorative carving is walnut with a rush seat, \$45.25



The low bowl above in opaque jade or rose colored glass is \$3.25. 5 inches wide. Teakwood stand \$2.25. A twist optic glass vase for one flower may be had in green, amber or blue, \$2.75



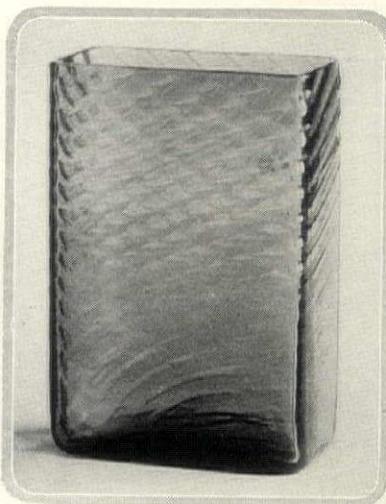
The articles on these two pages may be purchased through the HOUSE & GARDEN Shopping Service, 19 West 44th Street, New York City. A slight service charge is included in the prices.

At the left is an unusually effective lamp with a black marbleized base and a pale green or peach colored parchment shade decorated with bias strips of Italian paper. \$26.75 complete. 18 inches high. The amber glass flower bowl, $\frac{1}{2}$ inches high, is \$3.75.

A leather desk set in blue, rose, tan or purple, with gold tooling, is \$20.50. Pottery vase in cream, green, turquoise, yellow or mauve, \$2.25. 7 inches high. Cream colored pottery jar with cover, \$7.25

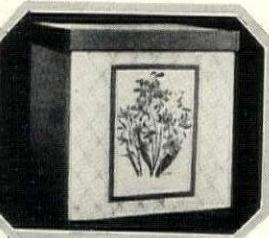


The attractive scrap basket below is covered in marbleized paper in delicate rose and blue tones, lined with paper like a peppermint stick and decorated on one side with an old, colored map, priced at \$14.50.



Because of its interesting shape this glass vase would be effective on a mantel. It is 7 inches high and only two inches wide. It may be had in green or amber. The price is \$3.75.

SEEN IN THE SHOPS



A box for shoes and stockings is covered in latticed or flowered glazed chintz, decorated with a colored flower print. It is lined with plain chintz. 14 inches square, \$17.50.

The GARDENER'S CALENDAR for JANUARY



W. R. DYKES

The secretary of the Royal Horticulture Society and a widely known Iris author and fancier



Rev. WILLIAM EWANKIN
A splendid figure of an English amateur gardener. A well known Tulip has been named for him

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
<i>This Calendar of the gardener's labors is designed as a reminder for his seasonal tasks. Though planned for the Middle States it should fit the whole country if for every hundred miles north or south garden operations be retarded or advanced five to seven days</i>	<i>I dream'd that as I wander'd by the way Bare Winter suddenly was changed to Spring, And gentle odours led my steps astray, Mix'd with a sound of waters murmuring.</i> SHELLEY			1. Nitrate of soda is one of the best plant invigorators that we have. It must not be used exclusively as it is not a balanced food; but to hasten growth and increase root action it is indispensable if used properly.	2. Start the year right by making an inventory of your garden supplies. Tools, fertilizers, seeds and other necessities should be listed and orders placed early where new ones are required. Be sure your list is complete.	3. It is quite safe now to force any of the bulbous plants that have been buried long enough to have built up a substantial rooting system. Most of these bulbous plants call for low temperature and plenty of water.
4. Have you ever thought seriously of the advantages of an orchard? Don't reason that it takes too long to grow a productive orchard—if our forefathers had felt that way about it, we should be the losers. Start one this year.	5. The greenhouse plants must be sprayed frequently with a strong force of water to keep the red spider in check. This is one of our worst greenhouse pests if neglected, yet the easiest of all to keep under control.	6. The soil in the growing beds in the greenhouse should be top-dressed with a mixture of equal parts of turfy loam and sheep manure. This should be scratched into surface with rake or claw, then thoroughly watered.	7. Make a blue-print of your garden and lay out the crops in proper rotation. A planting plan that has been well studied out will save time and space, and certainly increase the yield of the garden in the coming season.	8. Do not postpone the ordering of your garden seeds—make the order out now. If you have made the proper garden notes this will be an easy task. Our advice to expert as well as beginner is to buy the best quality.	9. Roses and carnations must be kept disbudded if you want high quality flowers. It is important that this be attended to when the buds are small, in order to conserve the strength of the plants and concentrate it in the blossoms.	10. The soil in the house-plant pots should be top-dressed with sheep manure or some of the regular plant foods that come for the purpose. And do not forget to sponge the foliage frequently with insecticide.
11. Specimen trees of all kinds can be easily transplanted if they are cut out with fair-sized balls of earth and allowed to freeze before handling. This is a very safe method of handling subjects of this class.	12. The garden furniture should be painted while it is stored for the winter. All tools that are left out during the growing season should also be repainted. This is much better than frequently buying new ones as replacements.	13. This is the logical time to plan a small fruit garden comprising blackberries, raspberries, dewberries, currants, gooseberries, and strawberries. It may be located at one side of the garden or entirely separated.	14. In case of severe freezing weather, don't fail to pile plenty of leaves on the vegetable trenches to protect them from the frost. Always keep tar-paper over the leaves, to keep out the water. If any gets in the frost will follow.	15. Trees that are covered with moss can be easily cleaned by scrubbing with wire brushes, or spraying with a light solution of caustic soda. Damp weather is the best time for the former method of treatment.	16. The soil on top of the benches and pots in the greenhouse should be kept stirred constantly. Plants that are being forced suffer because of lack of air, the supply of which can be increased by cultivation.	17. All hardy hard-wooded plants such as lilacs, wistaria, deutzia, etc., may now be brought into the warm greenhouse. Keep the wood well moistened by frequent sprayings until the buds start to open along the stems.
18. Destroy all caterpillar nests on the trees. An asbestos torch is a good tool for the work, although one made of burlap and soaked in kerosene so as to burn will answer every practical requirement of use.	19. Seed sowing time will soon be here. Have you all the material ready—soil which has been screened, sand, stones or broken flower pots for drainage, moss, boxes, seed pans, label sticks, etc.? If not, better get them at once.	20. What about the pergola you have been considering so long. You might as well order the arbor and vines at the same time, which means now. Bear in mind that goods may be scarce, and that orders are filled in turn.	21. Why not buy some houses for the birds, those nesting friends of the gardener. Rustic ones are practical and ornamental, and there are other good styles. They should be put up before spring opens.	22. Do not scrape loose bark from trees with a scraper; it is impossible to get into all the crevices, and much live bark is removed in the operation. In this way more harm than good will be the probable final result.	23. All edged tools should be gone over and sharpened for the coming season. New handles should be placed in tools that require them, and the lawnmowers should be overhauled while you have ample time to do it right.	24. One of our finest salad vegetables is what we call chicory or French endive. From mature roots this plant is easily forced in any warm-house cellar or under the benches in the greenhouse. It yields abundantly.
25. Why not get the manure carted into the garden while the ground is still frozen. This is sometimes left until spring, and then the paths and borders are torn up unnecessarily by the wagons and horses going back and forth.	26. Pea brush, beanpoles, etc., may be gathered any time now and stacked away for use at the proper time. Their butts should be properly pointed with an axe to save work later on in the season when time presses.	27. Now is the time to order garden furnishings—a settee, an arched arbor, a sundial or urn. Somewhere on your grounds there is a point which can be made more attractive, more interesting by adding one of these.	28. Rhubarb may be grown successfully under the benches in the greenhouse, or in the cellar of the dwelling. Lift good-sized clumps from the garden and plant them in light soil, keeping the tops dark until they develop.	29. Preparation should be made to re-pot all exotic plants, as they will soon begin active growth. Use plenty of drainage in the bottom of the pot and have the soil so that it will not become sodden if over-watered by mistake.	30. Why not order or build some forcing frames to help the garden along this season. You will be surprised to find how easily they can be constructed and how much better garden you will have by using them consistently.	31. Cut branches of many of the early flowering shrubs such as pussy-willow, fire bush, golden bell, etc., will flower if placed in jars of water in a warm room. A little later, cherry and apple can be forced.



ELLEN WILLMOTT
A great English horticulturist; an Iris authority after whom a familiar Iris has been named



LEONHARD FUCHS
A famous German botanist of the 16th Century, and the author of *De Historia Stirpium*



SIR HARRY J. VEITCH
One of the most important of English nurserymen, whose name figures in many plant varieties



HUGH DICKSON
An English authority on the Rose, and a breeder and grower who has made a world wide reputation



WILLIAM PAUL
An English Rose expert whose many well-known creations include the famous Scarlet Climber



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Whitman's Chocolates are not "sold everywhere."

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The Whitman agency is usually the leading drug store, because the drug store nowadays is one of the most progressive service stations of the public.

You may expect good service in every store that shows the sign of a Whitman sales agency. You may count upon receiving perfect chocolates there, in perfect condition. You may go into any Whitman agency, even in remote parts of the country, and buy candy with confidence.

The agent is authorized to give the broadest possible guarantee of satisfaction with every package of Whitman's he sells. Our printed guarantee covers every Whitman product.

It is in the interest of better candy in better condition that we confine the sale of Whitman's to one convenient store in every neighborhood. It is worth the while of any candy-lover to find that store and specify Whitman's.

Then at the critical moment, when the package is opened, it will prove your *good judgment* as well as your *good intentions*.

Whether you select The Sampler, The Fussy Package, The Pleasure Island, Salmagundi, or any other of the Quality Group, you may rest assured that your good taste is unquestionable.



Send for "Samplers Old and New" an illustrated booklet, sent with our compliments, telling of the revival of an art of olden times. With it we send a book "On Choosing Chocolates," with illustrations.

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The designers of this beautiful paper have cleverly met the demand for a novelty without losing any of the distinction and good taste that have always characterized Crane's writing papers.

The smart cord effect, broken with perpendicular self-tone lines, gives the paper an unusual richness and character without interfering with its smooth writing surface.

EATON, CRANE & PIKE CO., 225 Fifth Ave., New York



To the Irish Wolfhound belongs a remarkable combination of great size, majestic power and splendidly reliable disposition

SOME DOGS FOR THE LARGE ESTATE

ROBERT S. LEMMON

LOOKING at the matter from a physical standpoint, the logical home for a really big dog is one whose proportions are commensurate with his own large size. Just as a magnificent Great Dane or a Borzoi cooped up in narrow quarters is one of life's pathetic pictures, so is that same canine giant in spacious surroundings a gloriously satisfying sight. It's just another case of fitting the reward to the performance, the peg to the hole, or any other appropriate simile that may occur to you.

That is the obvious side of the situation; when one considers its less apparent phases one finds that the size-for-size argument is still further strengthened. Before we go into a discussion of the specific breeds, it may be well to look more deeply into the situation as it affects them all more or less.

A large dog needs ample space if he is to enjoy that amount of exercise which is a requisite to good health and spirits. Whereas a terrier can work up a good glow of health (if dogs can be said to have glows of that sort!) by romping around the backyard or even by pursuing the cat among the intricacies of the living room furniture, something comparable to an acre or more is needful to induce a corresponding state of stimulation in a St. Bernard. You can keep the latter, or one of the other extremely large breeds, in the backyard home, but it isn't the place for him to be at his best.

And then there is the question of appearance. A very large dog looks best where a general sense of all-outdoors prevails. He is a fitting ornament to a good-sized estate, for there he is in proper scale with his environment. One need not be a great stickler for form to appreciate this.

Among the extremely large breeds the St. Bernard is one of the most impressive and, perhaps, the best known. His is an ancient race, associated for

many years with the Hospice of St. Bernard in the Alps and, in the mind of the world, with the rescue of travelers lost in the mountain passes. In connection with this traditional use of the St. Bernard, the following excerpt from the writings of Mr. W. O. Hughes-Hughes, a prominent English fancier of the breed in the late Eighties, is of interest:

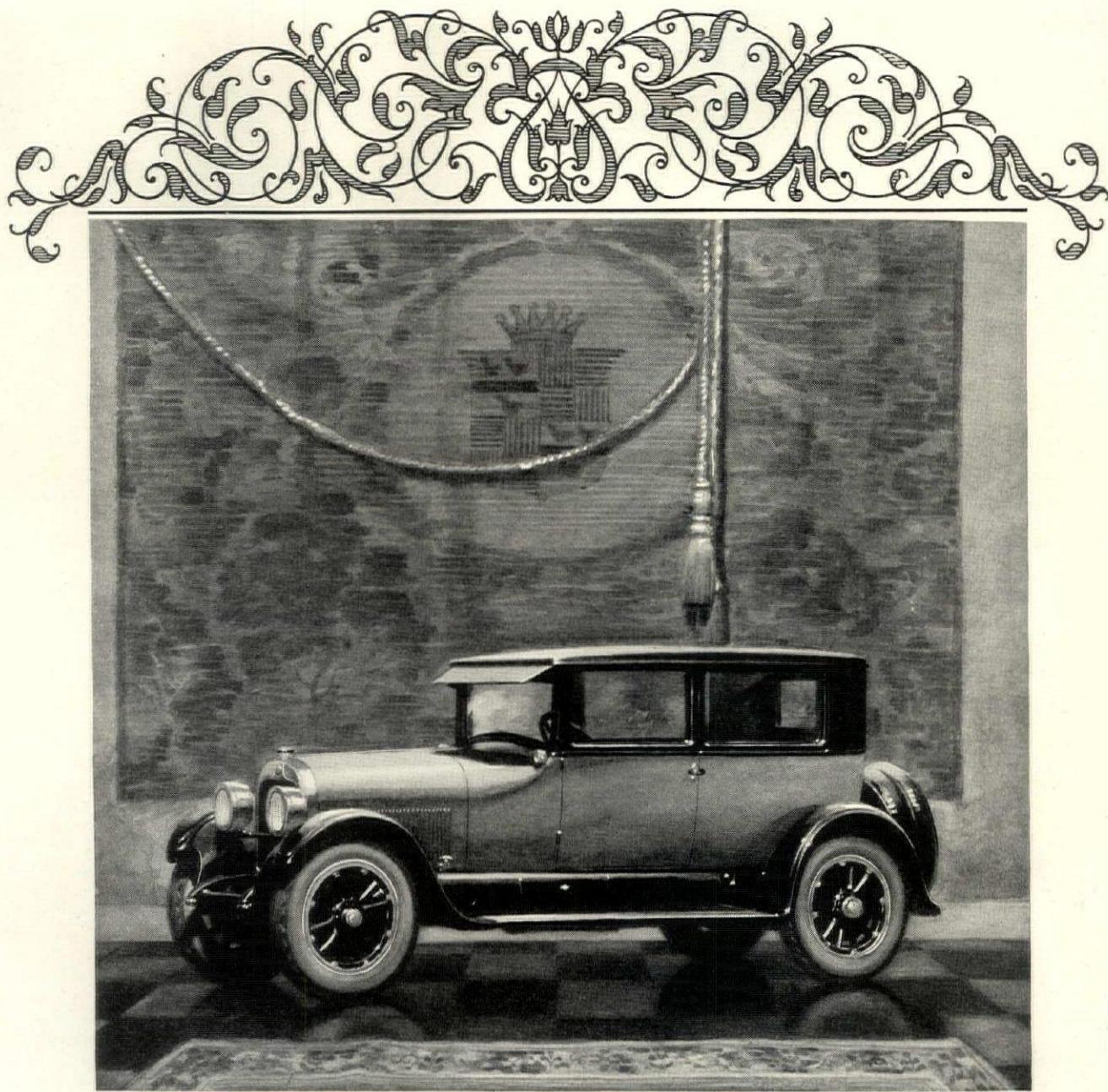
"The position of the drifts is so often altered by furious gales of wind which remove them from one spot and heap them up in another, that the most experienced of the monks cannot tell where it is safe to tread. In this emergency the instinct of the dog is infallible. On every winter morning one dog and one monk go down each side of the pass to escort to the Hospice the travellers who have been passing the night at the refuge below. The dog goes in front and the monk follows in its steps and is never led astray."

Is it any wonder that the St. Bernard is famously dependable as a friend and companion?

Of almost equal size and similar in steadfast devotion is that other shaggy giant, the Newfoundland. Not without good cause has he won his reputation for unwavering faithfulness and, above all, for perfection as a children's guardian. He hails originally from the island of Newfoundland, and for many years enjoined marked popularity far outside of his native home. It is gratifying to note that the unexplained lapse of public recognition which came his way in the last decade or so has not prevented several reliable kennels from perpetuating the breed, for the Newfoundland is a splendid dog and should be retained.

Quite different in appearance is the Great Dane, a smooth-coated, mighty fellow of which anyone may well be proud. To his friends (and they are many) he is all that a dog could be—intelligent, loyal, superb in that big

(Continued on page 90)



CADILLAC·COACH

THE Cadillac Motor Car Company presents an entirely new and beautiful coach with body by Fisher, on the standard V-63 chassis.

The dependability and comfort which have created world-wide desire for Cadillac ownership are here combined with a new type, large five-passenger

enclosed body of utmost utility—and at a price most attractively low. This car is further proof of Cadillac's foremost position in fine car manufacture.

Now on display by Cadillac dealers, also at the National Motor Shows.

CADILLAC MOTOR CAR COMPANY
DETROIT, MICHIGAN
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S T A N D A R D O F T H E W O R L D



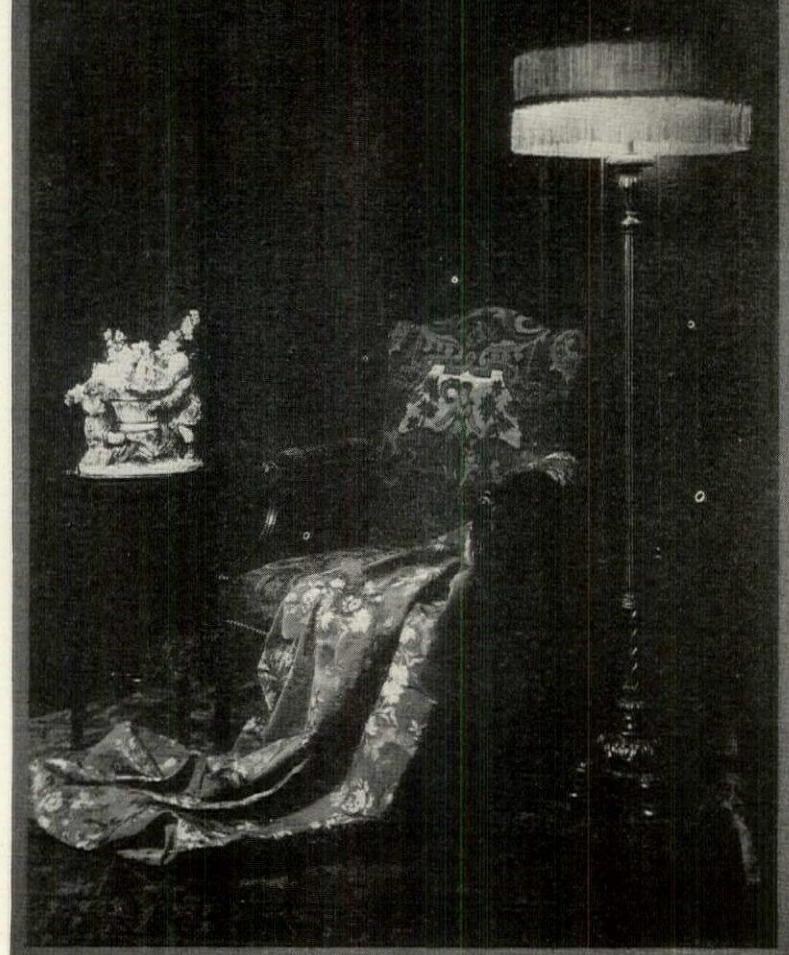
Like an Old Master, an interior by Rorimer-Brooks stands apart as a thing of rare beauty.

By the subtle blending of hangings, coverings, wall treatment, artistic furniture groupings and lighting effects, Rorimer-Brooks designers achieve an atmosphere of liveable warmth, giving visible evidence of the skilled touch all too rare in American homes.

Through the services of Rorimer-Brooks designers and craftsmen you can secure an interior of harmonious individuality, exactly suited to your requirements.

The Rorimer-Brooks Studios

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Cleveland Ohio



Tradition truly ascribes to the St. Bernard a character devoted to the service of mankind. He is no less faithful to the American child than to the monks of the Hospice in the Alps

SOME DOGS FOR THE LARGE ESTATE

(Continued from page 88)

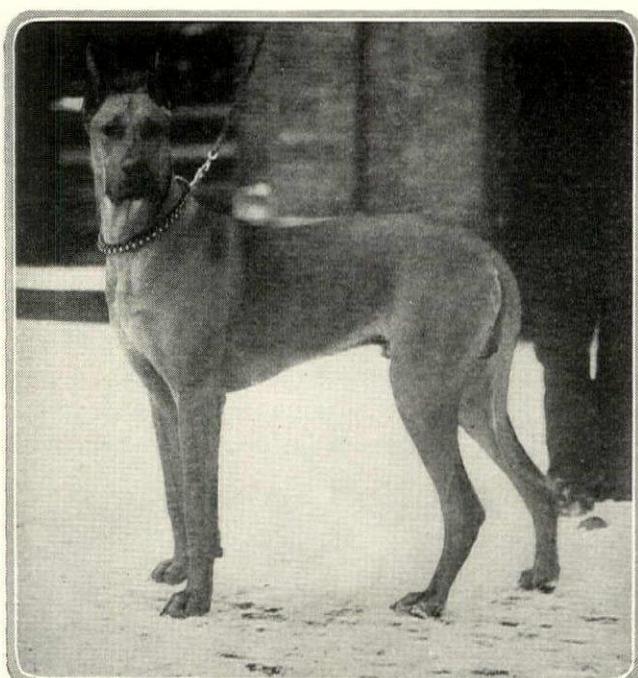
ness of brain and heart which his great size might lead one to expect. When secured as a puppy and brought up with the family he is an excellent companion for children as well as grown-ups. As for his value as a watch-dog, one glimpse is sufficient to deter the most evil-minded of tramps from lingering longer in that part of the State.

A fourth big dog is the Irish Wolfhound, unfortunately a rare breed in this country. He is larger than that other strikingly handsome fellow, the Russian Wolfhound or Borzoi, and his coat is grizzly instead of chiefly white. In his disposition, especially toward those whom he knows, he is perfection personified. More than any other breed, perhaps, he merits the adjective "grand."

Compared with such mighty fellows

the German Shepherd or Police Dog seems almost dwarfed, yet he too is a fitting breed for the large estate. There is something upstanding and capable about the appearance of a good Shepherd which renders him superbly distinctive. He is hardy, active and in every way well fitted to those conditions which spacious country places impose.

Dog questions from House & Garden readers are always gladly answered without charge by our Dog Mart Information Service. We are especially well equipped to furnish the addresses of reliable kennels that sell good dogs at honest prices. Just address The Dog Mart of House & Garden, 19 West 44th St., New York.



The Great Dane is great in more respects than that of size. In him, statuesque beauty is subtly blended with outstanding ability as a companion and guard



FOR EVERY BED IN THE HOUSE

FINE — for the guest room that is your pride
STRONG — for the rough wear of the nursery

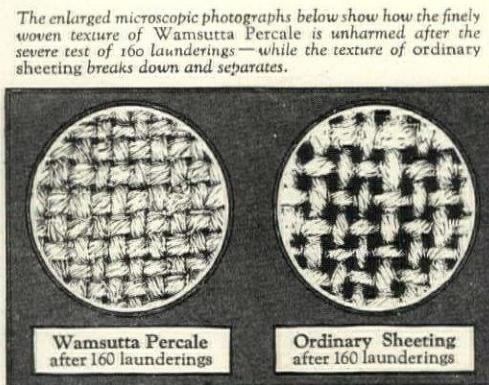
THEIR mothers and grandmothers have handed down such a tradition of the *fineness* of Wamsutta Percale that some women find it hard to realize how wonderfully it wears. The firm weave, smooth unwrinkled texture and pure white finish give a loveliness to Wamsutta Percale sheets and pillow cases that almost belies their strength.

Yet when Prof. Millard made his famous laundry test of 24 well-known brands of sheets, he proved that Wamsutta Percale at the end of 160 washings was stronger than any of the others. Beautiful and strong after the equivalent of six years' home use, Wamsutta Percale was ready for even more years of service.

Wamsutta Percale is ideal for con-

tinuous use on all your beds. With the new Wamsutta Tape Selvedge adding further to their durability, these exquisite sheets are replacing expensive linen. They are lovelier than fine linen, yet cost considerably less; and not much more than ordinary cotton. For the bride's hope-chest, for every gift occasion Wamsutta Percale is most appropriate—especially when embroidered or monogrammed. At the best stores in all sizes—plain, hemstitched or scalloped.

This is the month of white goods sales. Do not judge values by price alone—look for the Wamsutta Percale green and gold label—your guarantee of the finest quality. Wherever you see Wamsutta Percale advertised be sure to lay in a season's supply. You will save money by doing so.



WAMSUTTA MILLS, New Bedford, Mass. Founded 1846.
RIDLEY WATTS & CO., Selling Agents, 44 Leonard St., N.Y.

WAMSUTTA PERCALE

Sheets and Pillow Cases ~ The Finest of Cottons

WAMSUTTA MILLS ALSO MAKE WAMSUTTA NAINSOOK, LUSTERSHEER, LINGERIE, WAMSUTTA UNDERWEAR CLOTH, AND WAMSUTTA OXFORD



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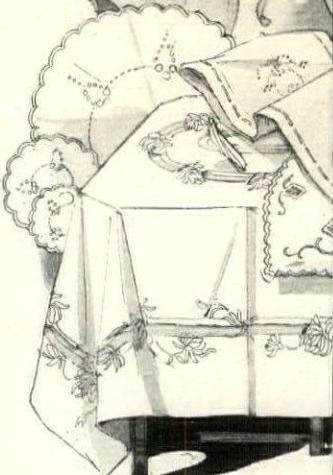
for January only!



Exact illustrations, concise descriptions, each article specifically priced! Everything possible has been done to make shopping by mail easy from the pages of this Special Sale Catalogue. You can sit in your own easy chair and buy Linens from Ireland, France, Belgium, Switzerland, China — in fact, from every famous linen center of the world.

In addition, you can choose smart sportswear, dainty lingerie, exquisite laces, sweaters, handkerchiefs, children's dresses and many other things — and all at exceptionally low prices.

This Special Sale Catalogue is **Free**. Just fill in the coupon —



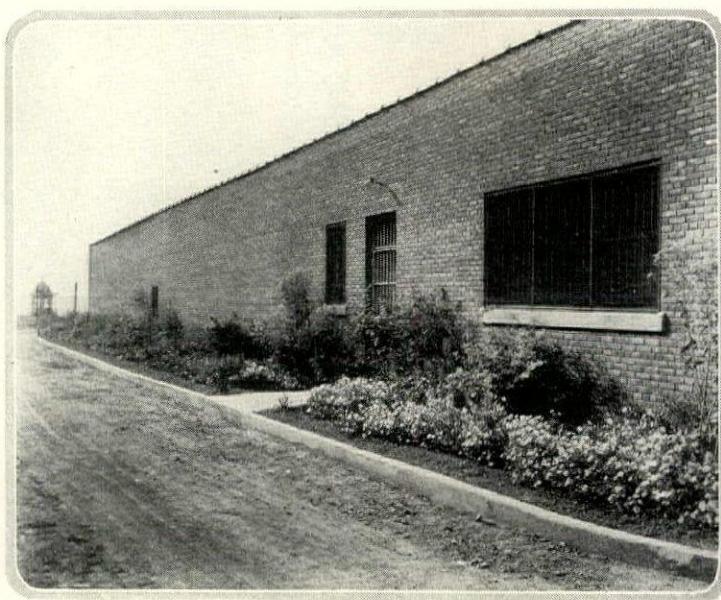
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Please send me a copy of your January Catalog No. 44.

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Each side of the south drive has been curbed, sodded and planted to annuals and perennials. Flowers here relieve the grim walls of the execution chamber

THE GARDEN BETWEEN WALLS

(Continued from page 73)

Spruce trees purchased by generous friends from a nearby nurseryman, also Japanese Maples, Arbor Vitae, Magnolias, Chinese Thuya and Juniper, Swiss Mountain Pine, Norway Spruce, Retinispora, Douglas Firs and two hundred flowering shrubs.

The bulbs, so they say at Sing Sing, came as a direct answer to prayer. The chaplain was asked to pray for bulbs and forty-eight hours later a bulb importer on Long Island wrote that he was sending five hundred, another fifteen hundred, another two thousand, and so on in dizzy succession.

That winter the warden installed a greenhouse, built it against the walls of what had been the execution chamber.

ber. A generous woman who was closing her estate sent enough plants to fill this, and friends and friendly nurserymen added to its stock. The following spring the south gate area was planted to a big circular bed of Canna, and around the edge went French hybrid Lilacs sent by a generous nurseryman in Pennsylvania and the Superintendent of Highland Park in Rochester, and against the walls were planted about two hundred Dahlias.

Since there is no limit to dreams this beginning bred another ambition — to take the central area between the new herbaceous border and the factories for a Rose garden. Again the

(Continued on page 94)



A glimpse of the south gate garden and the first of the greenhouses, built against the wall of the abandoned execution chamber



EUROPE'S CHOICE

With all the hand-built cars in the world to choose from, the first families of Europe are buying Packard Eights at an astonishing rate.

High duties and transportation charges and most important of all, patriotic prejudices are not holding them back.

After all, this is not strange. Europe,

the original home of the eight-in-line motor, has been quick to see its highest development in the Packard Eight.

In countries where the eight-in-line makers out-number the V-type ten to one, what else can be expected?

Many a man in Europe is paying nearly twice the American price of

the Packard Eight because he wants the simplicity of motor and chassis and beauty of body that Packard alone offers.

America should be proud of its Packard Eight—highly approved in lands of hand-built chassis and custom bodies.

Packard Eight furnished in ten body types, open and enclosed—\$3650 to \$4950 at Detroit. Packard's extremely liberal monthly payment plan makes possible the immediate enjoyment of a Packard, purchasing out of income instead of capital.



THE GARDEN BETWEEN WALLS

(Continued from page 92)

warden was consulted and again his permission granted. Gradually the plans were evolved—a garden to be laid out around a fountain basin and to contain some one thousand bushes. Where the basin was to come from and where the Roses were next confronted. Among the inmates was found a skilled worker in cement, and he was assigned to the job. Then came the problem of converting crushed rock and cinders into rich soil suitable for Roses. The rock and cinders were removed and good soil brought in from the outside. The owner of a large stock farm up the valley sent in several truck loads of manure and the prison stables contributed others. Bone meal was a necessity. When asked if they could help, readers of HOUSE & GARDEN were told to send bone meal; the writer of this article held up a crap game for \$18, which bought 600 pounds. One manufacturer contributed a ton, another half a ton. The soil was soon ready for the Roses.

THE FIRST ROSES ARRIVE

Through the generosity of members of the American Rose Society, the first 1000 plants were installed. Two children in Wilton, Ct., dug up their favorite climbers and sent them to Sing Sing. The varieties growing in the garden are—

Hybrid perpetuums:—Frau Karl Druschki, Baron de Bonstettin, Anna de Diesbach, Paul Neyron, General Jacqueminot, Baroness Rothschild, Captain Christy, Clio, Magna Charta, Mrs. R. G. Sherman-Crawford, Ulrich Brunner, American Beauty.

Hybrid Teas:—Augustus Hartman, Betty, Chateau de Clos Vougeot, Columbia, Duchess of Wellington, General MacArthur, George C. Waud, Gruss an Teplitz, Lady Alice Stanley, Red Radiance, Los Angeles, Rose Marie, Pilgrim, Priscilla, Sylvia, Laurent Carle, Radiance, Mme. Butterfly, Lady Ursula, Hermosa, Mrs. Aaron Ward, La Tosca, Mme. Meha Sabatier, Premier, Mrs. Calvin Coolidge, Crusader, Francis Scott Key, Mrs. W. G. Harding, Killarney, Ophelia, Mme. Edouard Herriot, America, Bloomfield Abundance, Constance, Souvenir de Claudio Pernet, K. of K. Golden Ophelia, Commonwealth.

Polyantha:—Edith Cavell, Katharina Zeimet, Jessie, Orleans, Baby Tausendschon, Cecile Brunner, Aennchen Muller, Tip Top, Andre Lenoble, Mrs. W. H. Cutbush, Marechal Foch, Glory of Hurst, Maman Turbat, Triomphe Orleans, Red Cap.

Climbers:—American Beauty, American Pillar, Bess Lovett, Christine Wright, Dorothy Perkins, Dr. W. Van Fleet, Paul's Scarlet Climber, Electra, Evangeline, Excelsa, Gardenia, Hiawatha, Silver Moon, Waltham Rambler, Snowdrift.

Rugosa:—Hugonis.

The first winter saw a loss of only six Rose bushes, a remarkably low percentage. This last spring several friends have contributed 800 Polyanthus Roses, so that the Rose Garden is completed. It now contains about 2,000 plants and during the past sum-

mer a new glass Rose Garden was created with about 600 choice varieties, planted in solid beds with concrete walls that will supply an abundance of Roses through the winter months.

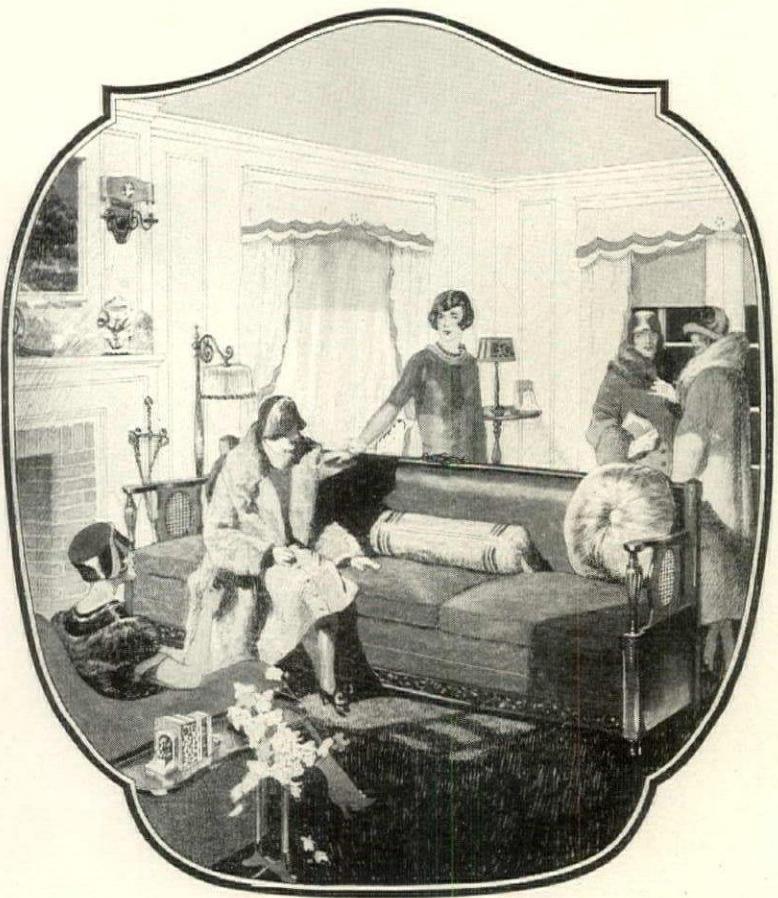
This year also saw the development of the grounds around the Death House and the driveway from the south gate. The drive was curbed with cement, rich loam poured in, grass edgings laid and a double herbaceous border planted. The year has also seen renewed activities in the old greenhouses so that there will be an abundance of blooms for the Hospital, the Chapel and the Death House, one house 50 feet long being filled with Chrysanthemums and Carnations.

Were there space, we would like to name all those who have contributed to this amazing work, but the list is too long and those who did contribute must feel, as the late Bertrand H. Farr remarked after visiting Sing Sing, "Those gardens did more for me than I ever did for them."

Like *la povera Picciola*, the little plant in the flagging of the prison at Fenestrella, that Saintine wrote about, much happiness depends upon these flowers. Although the men at Sing Sing do not have to petition an emperor that the stones of the prison walls be removed lest they hinder the growth of the plants, as did the Count de Charney, they can exclaim with him: "Picciola [for thus he called his solitary flower], I had once the whole earth for my wanderings; I was surrounded by those who called themselves my friends; and not one of the learned ever bestowed upon me as much instruction as I have received from thee!"

THE GREEN IN THE GRAY

We do not claim that these gardens mark any revolutionary step in the development of penology. Prisons at best are terrible places and they always will be, until that day when they are no longer necessary. They represent an evil world, a world sordid and cruel and dark. On the other hand there is the world of flowers and trees and shrubs, the world of fragrance and color, of delicate tints and refreshing cool greenery. Those two stand at opposite poles. And yet the one has now touched the other. The pollen of one has been placed on the pistil of the other. What the result will be we cannot tell. *Le Bon Dieu* has had a lot to do with this garden and He will doubtless take care of the results. This we do know, however, that what was once crushed rock and trodden cinders now blossoms with the rose; that whereas men once gazed out upon dank grey walls and the miasma of a prison yard they now can watch the awakening of shrubs, the swelling of buds, the coloring of blossoms. They smell the fragrance of flowers and hear birds call in the trees. They see long shadows on close-cropped lawns. To them the arrival of spring means something new, a new thing the burgeoning of summer and the flaming tints of autumn. To these they can say, "I was in prison and ye came unto me."



You'll be proud of it

You can get a Davenport Bed of such beauty of design that you'll be just as proud of it as of a new oriental rug or a fine piano.

Beautiful period designs, in rich woods, sometimes hand carved; upholstered in the finest fabrics; a piece of furniture that will grace any home.

The fact that you have, concealed under all this beauty, a very comfortable bed with easy springs and a good mattress, makes it all the more a matter of pride.

There's no reason, any more, for the ordinary davenport; the Davenport Bed is just as luxurious, with the added advantage of providing comfort as a bed. It is taking the place of the ordinary davenport in many fine homes, in many of the best hotels, and some exclusive clubs.

A Davenport Bed has easy springs to sit on; and a separate set of springs to sleep on, a comfortable bed with a mattress of its own, when an extra bed is wanted. It is the modern idea in living-room furnishing. It represents progress.

"*The Home in Good Taste*" is an interesting booklet showing nearly a hundred styles of Davenport Beds. Give the name of your furniture store when you write for it.

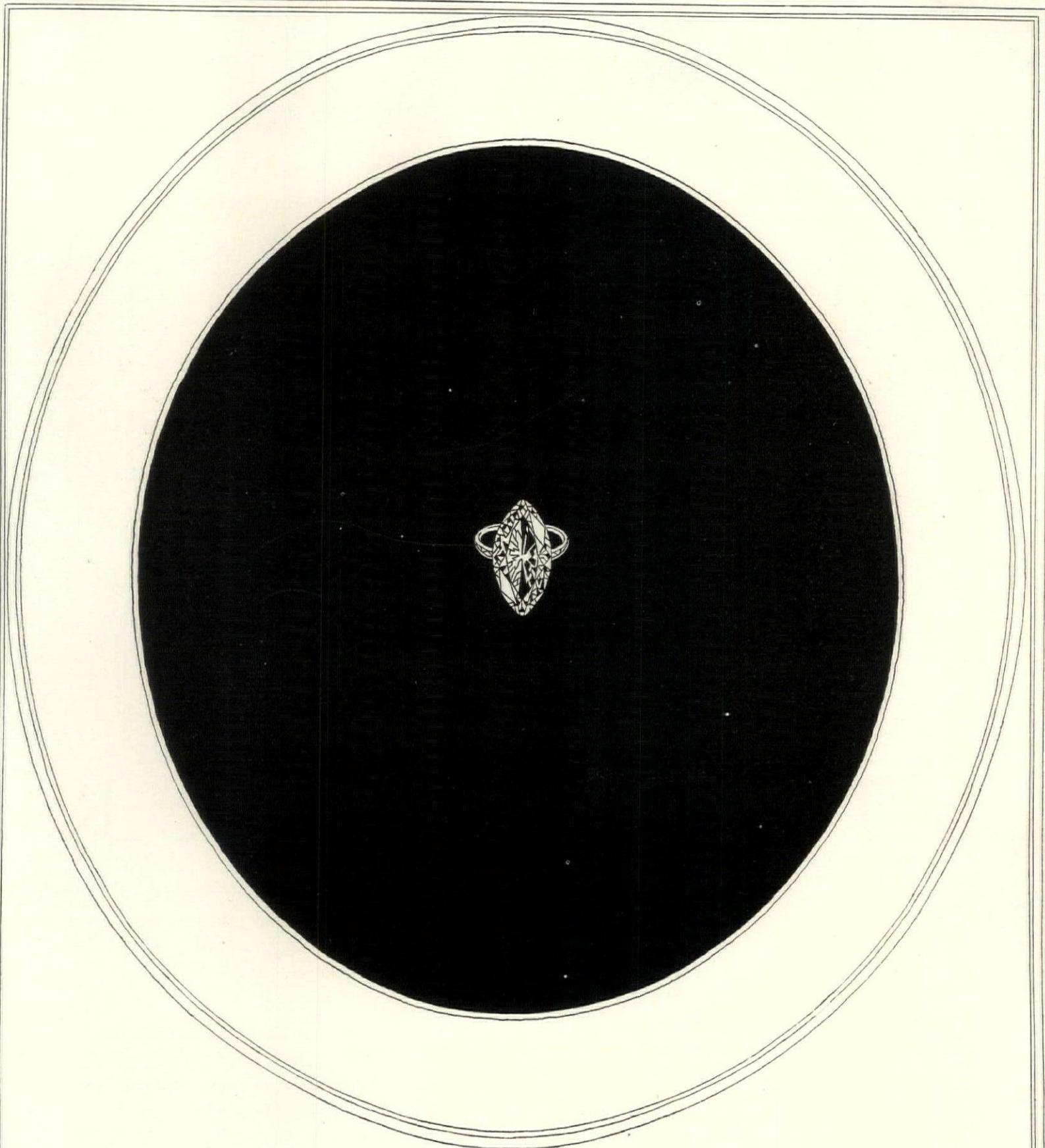
DAVENPORT BED MAKERS OF AMERICA
(more than 80 individual manufacturers)
1138 Standard Oil Building, Chicago

The Davenport Bed

SERVES BY DAY AND BY NIGHT



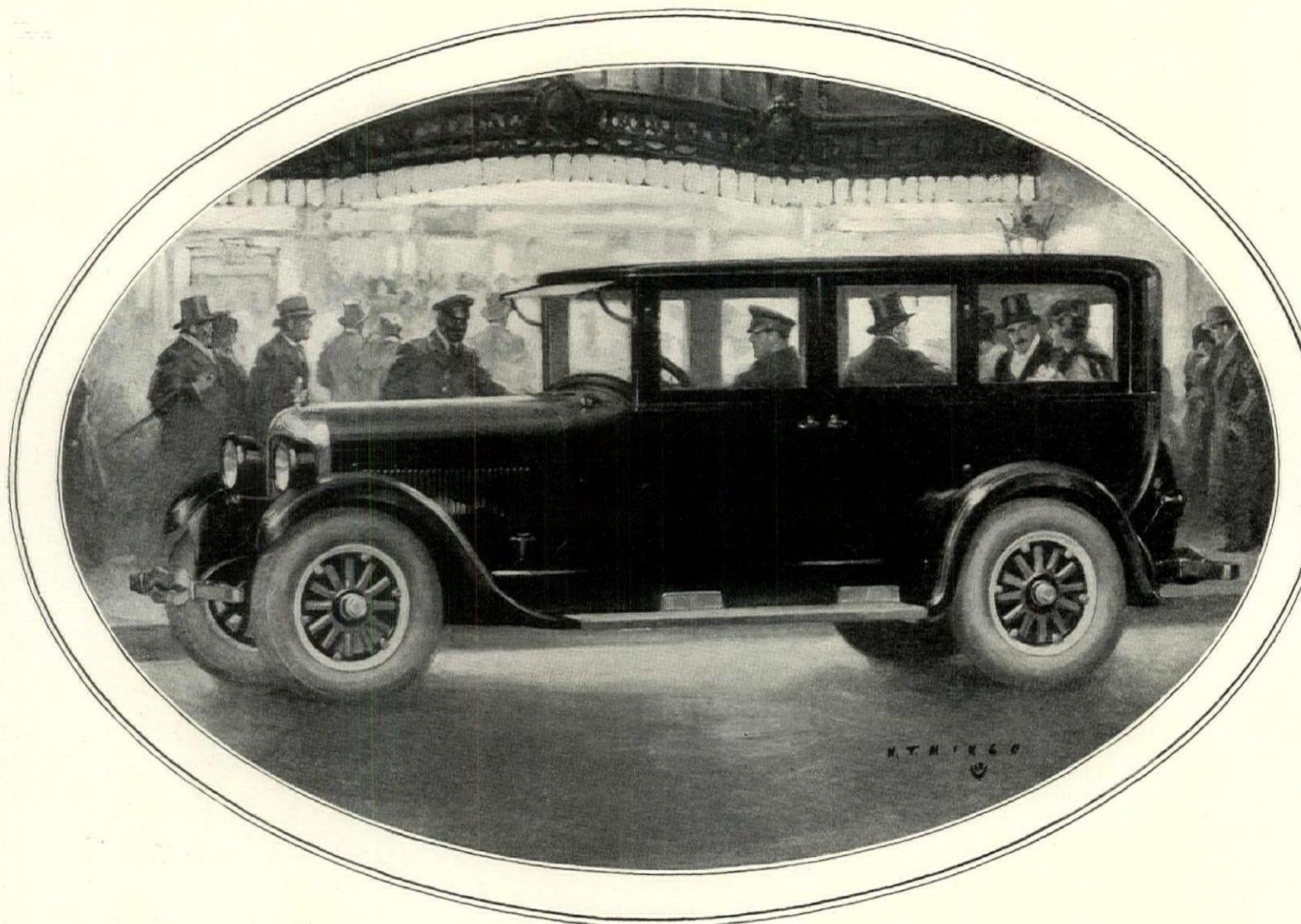
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*The Marquise . . . a graceful form of
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FIFTH AVENUE · CORNER 48TH STREET · NEW YORK



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STANDARD SIX 113-in. W.B. 50 H.P.

5-Pass. Duplex-Phaeton	\$1145
3-Pass. Duplex-Roadster	1125
3-Pass. Coupe-Roadster	1395
5-Pass. Coupe	1495
5-Pass. Sedan	1595
5-Pass. Berline	1650
4-wheel brakes, 4 disc wheels,	
	\$60 extra

SPECIAL SIX 120-in. W.B. 65 H.P.

5-Pass. Duplex-Phaeton	\$1495
3-Pass. Duplex-Roadster	1450
4-Pass. Victoria	2050
5-Pass. Sedan	2150
5-Pass. Berline	2225
4-wheel brakes, 5 disc wheels,	
	\$75 extra

BIG SIX 127-in. W.B. 75 H.P.

7-Pass. Duplex-Phaeton	\$1875
5-Pass. Coupe	2650
7-Pass. Sedan	2785
7-Pass. Berline	2860
4-wheel brakes, 5 disc wheels,	
	\$75 extra

(All prices f. o. b. factories
and subject to change
without notice)

DISTINGUISHED without being ostentatious, long lined and rakish without sacrificing the superlative in good taste; tremendously powerful, yet instantly alert to the slightest touch of accelerator or wheel, the new Studebaker Big Six Sedan embodies everything one can want in a motor car.

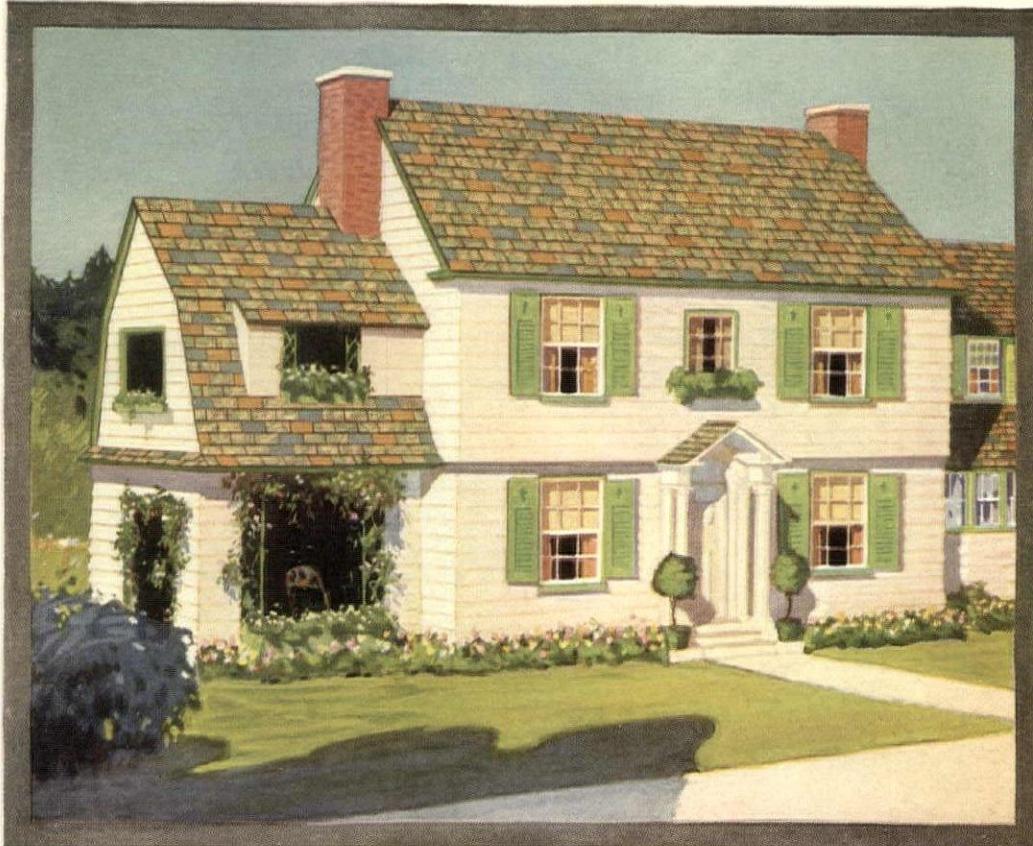
Every accessory bespeaks supreme luxury, every beautiful detail of finish and upholstery, every delicate blend of color and fitting expresses silently the wishes of the cultured. Nothing has been omitted, no smart touch forgotten—a car with the social background so immeasurably important in modern life.

There is no car, foreign or American, that surpasses it in beauty, comfort, performance, long life. Its price is low simply because of Studebaker's uniquely fortunate manufacturing facilities.

Extra balloon tire, tube, tire cover. Handsome nickel-plated bumper, front and rear. Lights controlled from switch on steering wheel. Automatic spark control eliminates spark lever. Motometer and winged radiator cap. One-piece windshield, glare-proof visor, automatic windshield cleaner, rear-view mirror. Heater. Dome and corner lights, extension lamp. Step pads. Kick plates. Gasoline gauge. Studebaker hydraulic four-wheel brakes optional equipment.

THE STUDEBAKER CORPORATION OF AMERICA · SOUTH BEND, INDIANA

THIS IS A STUDEBAKER YEAR



The Richardson Multicrome Roof in opal, as it would appear on the Model house built by The House Beautiful Publishing Company, in Boston

The OPAL roof —another Richardson contribution toward more beautiful homes

You will find in this newest Richardson roof an exclusive new coloring—opal—to add still greater beauty to your home.

The opal roof is formed by a skillful blending on each shingle of the two most beautiful Richardson colors in slate, weathered brown and jade green.

Applied just as they come from the bundle, these new opal shingles give to your roof a coloring like that of sunlight filtered through dancing leaves on a fresh spring lawn.

Architects, home owners and builders who have seen this roof are enthusiastic over its coloring of distinctive beauty. And they agree that the opal color combination in Richardson Multicrome Roofs is a real contribution toward more beautiful homes.

The Richardson Multicrome Roof

This, however, is but one example of the beauty secured in the Richardson Multicrome Roof. Equally distinctive is the bronze mosaic coloring, formed in the same manner with weathered brown and tile red slate flakes. Many color effects are possible—one to please every taste. The rare weathered brown, for instance, is attractive when applied with other Richardson Shingles of jade green, tile red or black pearl.

The Multicrome Roof is built of Richardson Super-Giant Shingles, extra large, extra heavy—to give greater beauty, longer endurance. The high quality of its inner materials, too, assures lasting beauty for this roof. Its base is sturdy Richardson felt, for fifty years recognized as the best. And the waterproofing is Viskalt—unusually durable because 99.8% pure bitumen, especially vacuum-processed.

The Richardson Multicrome Roof represents the maximum roof value at a moderate price. It is economical to lay and equally good for new or over-the-old-roof jobs.

Prove the facts yourself

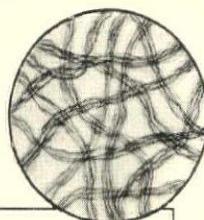
Go to your nearest dealer in lumber, hardware or building material and ask to see the color combinations in Richardson Multicrome Roofs. Also ask him to show you the reasons for their unusual endurance.

Meanwhile send for our beautiful new booklet, *Roofs of Distinction*, showing the exclusive color combinations of Richardson slate surfacing. Or ask for our booklet, *Roofing on the Farm*. Mail the coupon now.

The RICHARDSON COMPANY
Lockland (Cincinnati) Ohio

Chicago New York City (1008 Fisk Building)
New Orleans Atlanta Dallas

The 50% greater thickness of this roof adds beauty of texture and years of endurance. Closely over-lapping slate flakes further protect the sturdy Viskalt-saturated base against weather and fire hazards



**Richardson
Multicrome
Roof**

**Ordinary
Roof**

*[cross sections
equally enlarged]*

Clip and mail this coupon

The Richardson Company
Dept. 38-A, Lockland, Ohio

Gentlemen: I am considering roofing for

(types of buildings)

Please send me Roofs of Distinction
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(Check booklet wanted)

Name _____

Address _____

RICHARDSON ROOFING

DEALERS: There is a Richardson product for every roofing need. Perhaps you can secure the Richardson franchise for your territory. Write us.



CALIFORNIA PINES PAINT PERFECTLY

California White Pine and California Sugar Pine are woods endowed by Nature with physical characteristics that make them unusually well suited to paint treatment.

• California Pines are soft-textured and close even grained. Their use immediately eliminates the difficulties of hard layers or streaks, raised or wavy grain. They are readily dressed to a velvety, smooth surface, and assure a permanent, flat painted finish.

• These woods are practically free from pitch and resinous substances. This eliminates, at the outset, all dangers of discoloration from oilworking through the paint or enamel.

• Properly seasoned, California Pines have a minimum tendency to warp, shrink or swell. This means they will "stay put"; seams and joints will not open up to leave unpainted strips exposed.

• California Pines are light in color. They do not "oppose" the paint. For this reason, any color scheme may be successfully applied with an economy of time and materials—especially the prevailing light tones for interior and exterior painting.

California WHITE & SUGAR PINE

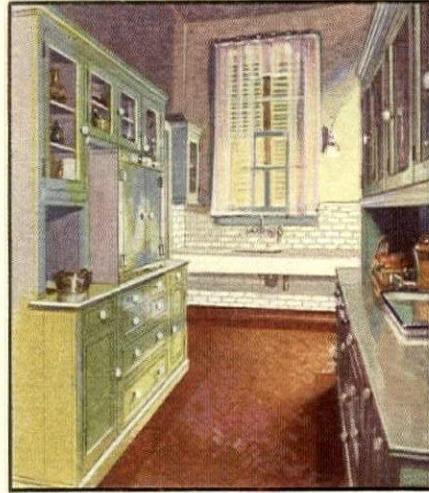
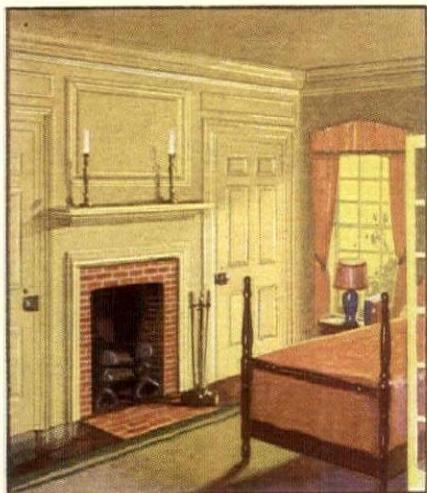
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65 CALL BLDG., SAN FRANCISCO

Also producers of

CALIFORNIA DOUGLAS FIR

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CALIFORNIA WHITE PINE CALIFORNIA SUGAR PINE

A 200-year supply of these woods now stands in the region where our mills operate. Natural growth of standing timber, augmented by natural reproduction and reforestation, assures a supply of these valuable building woods for all time.

2

Exterior Uses: Siding and Trim, Porches, Columns, Entrance Doors, Frames and Sash, Pergolas, Trellises, Etc.



California Pines for the exquisite panelling, staircase and trim of the Reception Hall.

CALIFORNIA WHITE PINE CALIFORNIA SUGAR PINE

These woods are used more than any other wood for doors, sash, millwork and interior finish. Millions of doors and window sash and frames of California Pines are annually installed in the homes of America. Send for our free illustrated booklet, "Pine Homes."

2

Interior Uses: Panelling, Doors, French Doors, Finishing Woodwork, Moldings, Mantels, Bookcases, Built-in Closets, Etc.



VERA: "WHY DO YOU SUPPOSE MEN AVOID HER?"

FLOSS: "I CAN'T IMAGINE—SHE'S SO ATTRACTIVE
A GIRL, TOO."

【 Listerine used as a mouth wash quickly overcomes halitosis (unpleasant breath). 】



A Legacy of Loveliness

YOUR living room table—what a world of intimate activity revolves about it! An appreciated personal significance attaches to this table—an attachment that grows through the years. So, in the selection of this all important furnishing, choose wisely and well!

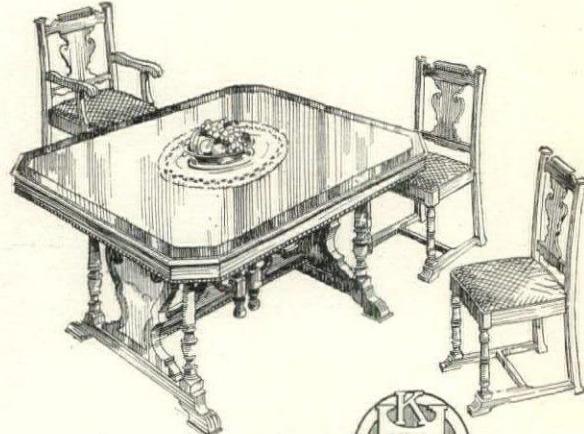
Consider Kiel Tables, with their rare artistry of design, their exquisite beauty of finish, and permanent construction. Sculptured in selected woods by master artisans who recreate with painstaking fidelity each subtle characteristic of the greatest furniture periods, Kiel Tables will bring to your home a rich legacy of enduring loveliness.

More than 4000 good furniture merchants display these superior tables at prices unusually moderate.

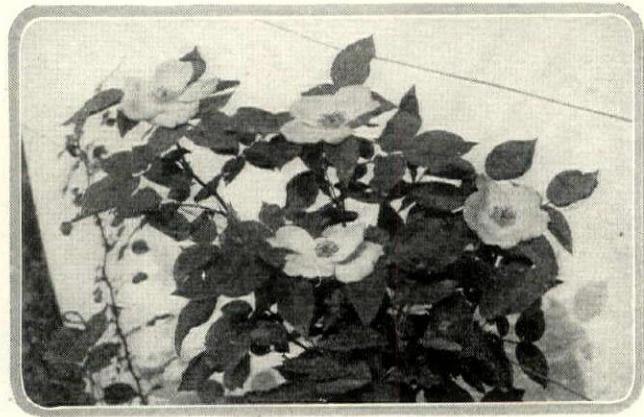
A handsome booklet "True Masterpieces", filled with suggestions on home furnishings and illustrated with interiors from a number of America's finest homes, will be sent on request.

THE KIEL FURNITURE COMPANY
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MILWAUKEE, WIS.

Kiel
TABLES



Kiel Dining Room Tables are superior in beauty of design and quality of construction. Ask your dealer to show them.



"Bloomfield Comet" is a bright pink that will climb to eight feet

A NEW RACE OF ROSES

(Continued from page 75)

has, nevertheless, demonstrated that an ever-blooming, hardy climber for the climate of the Middle Atlantic States and other districts of like cold extremes has been bred and will shortly be obtainable from nurserymen.

BLOOMFIELD ABUNDANCE. Extremely hardy. Blooms singly and in clusters. Dark to light salmon pink, fading to silvery salmon; small bud; medium sized flower; slight fragrance; lasts quite well; foliage almost perfect; growth up to five feet—continuous.

Recommended for Pacific Northwest; southern parts of Central East; Southern climates.

BLOOMFIELD CULMINATION. Extremely hardy; dark solid pink; single; of large size; foliage good; growth up to six feet on canes of current year; strong and upright; continuous.

Recommended for Central East and Southern zones, where its growth is more rampant.

BLOOMFIELD DAINTY. Hardy in Central East; bud orange yellow; sometimes smeared crimson; opens a solid canary yellow; single; averaging two inches in diameter; Pernetiana foliage immune to mildew, but lost in long growing seasons; growth up to

five feet. Blooms in Central East from June until September.

Recommended as hedge if planted in two rows in Central East.

BLOOMFIELD DECORATION. Hardy in Central East; blooms in clusters, single, color cerise pink with bright yellow stamens; foliage immune to disease, and holds through long growing seasons. Growth up to six feet in Central East, but much greater in Southern climates. Blooms from spring to frost in East, and every month in the year in California.

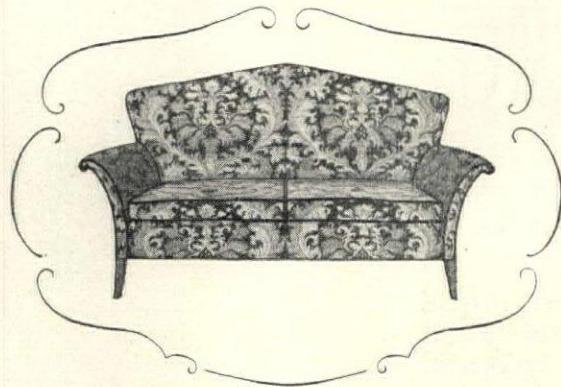
Recommended for Pacific Northwest, Central East and all Southern climates.

BLOOMFIELD DEFIANCE. Extremely hardy in Central East. Form and color of the flower much on the order of Cecile Brunner; blooms continuously in the Central East from spring to frost; growth up to eight feet; blooming on old and new wood. Foliage immune to disease, and holds tenaciously. Not valuable in Southern zones as it fades in strong sunlight, and is not to be compared in growth and bloom to Cecile Brunner, but valuable in the Central East, on account of its hardiness, and so recommended.

(Continued on page 100)



"Bloomfield Culmination," a hardy climber with solid dark pink flowers



A BROCATELLE of unusual weave with the ripe beauty of a time-mellowed antique

RICH with the traditions of two weaves—damask and brocatelle—this stately fabric presents its design in the manner of an old-time intaglio. Its blue and gold or green and gold tones gleam with a subdued richness out of a background in low relief.

From edge to edge the large motif repeats its beauty—a floral design of the XVII century, rich in considered detail and framed by the garland of acanthus leaves that sweep upward to surround it.

Here and there in the background, linen threads appear, as if laid bare by the mellowing of time and use—a witness to

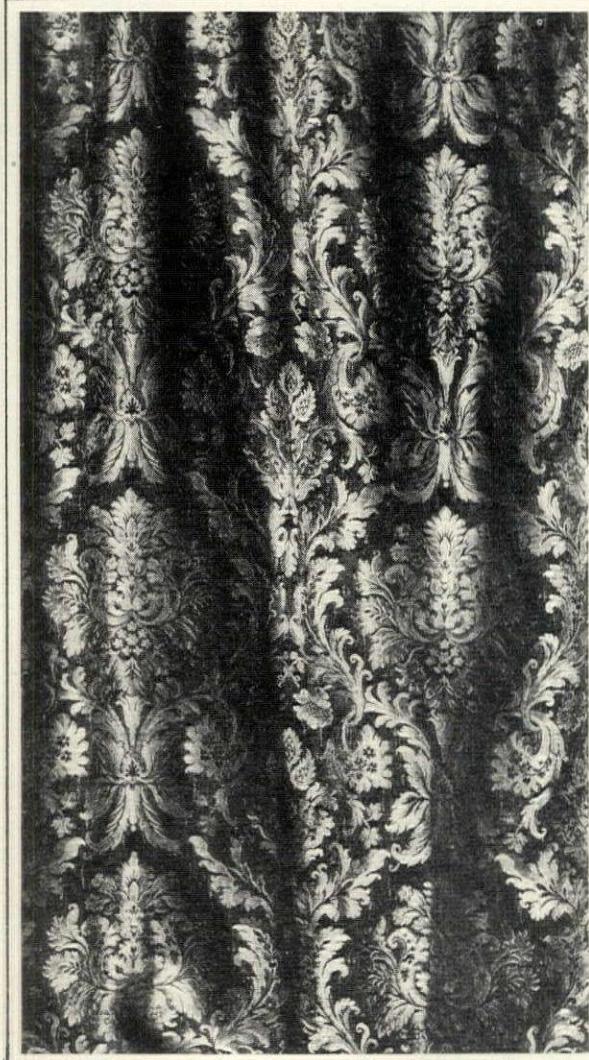
the technical mastery that weaves even age into its web.

The soft metallic sheen of gold enriches the beauty of the fabric—it is rayon which has been subtly introduced in the new weave because it

does not tarnish as metal threads almost inevitably do.

We reproduce many other distinguished fabrics in the manner of the great decorative periods—tapestries, damasks, brocatelles, brocades, velvets and prints. Schumacher fabrics appropriate to any scheme of interior decoration, whether it be formal or informal, may be seen by arrangement with your own upholsterer or decorator, who will gladly attend to the purchase for you.

F. Schumacher & Co., Importers, Manufacturers and Distributors, to the trade only, of Decorative Drapery and Upholstery Fabrics. 60 West 40th Street, New York City. Offices also in Boston and Chicago and Philadelphia.

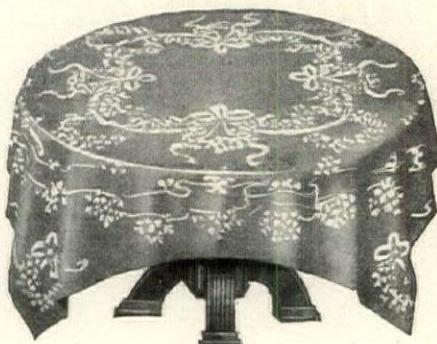


Woven with the dual loveliness of damask and brocatelle

F-SCHUMACHER & CO.

JANUARY VALUES IN QUALITY LINENS

The special discount prevailing during January on all McGibbon merchandise offers you a splendid opportunity for decided economy. Write for our new illustrated booklet No. 62.



The return to Damask Table Cloths and Napkins is most noteworthy. McGibbon Linens have achieved a reputation for highest quality in almost a century of service to the best families. Our selection is notably large and includes pieces for every household use in many attractive patterns.

Fine All Linen double Damask Cloths and Napkins. Various sizes and designs. Very unusual values. Shamrock design as illustrated.

Cloths—	Napkins to match—
2 x 2 yards Each, \$12.00	22 x 22 inches .. Dozen, \$14.00
2 x 2½ yards.... Each, 15.00	24 x 24 inches .. Dozen, 17.50
2 x 3 yards..... Each, 16.50	

Less 10% January Discount

All Linen Towels

All Linen Hemstitched Huckaback Towels, with Damask borders, also with red or blue borders.

18 x 34 inches... Dozen, \$8.50

All Linen Typed Glass and Kitchen Towels.

22 x 33 inches ... Dozen, \$7.50

All Linen Hemstitched Heavy Huckaback Towels, with Damask borders.

20 x 36 inches .. Dozen, \$12.50

Heavy Bleached Turkish Bath Towels, very absorbent, all white, specially priced.

Dozen, \$6.50 and \$10.00

Less 10% January Discount

Imported and Domestic Cotton Sheets and Pillow Cases

IMPORTED COTTON SHEETS

Hemstitched
Single Bed size Each, \$4.75
Double Bed size Each, 6.00
Pillow Cases Each, 1.25
Made expressly for McGibbon & Co.

WARREN SHEETS

Extra Value

72 x 108 Hemmed	\$2.75
90 x 108 Hemmed	3.00
72 x 108 Hemstitched	3.00
90 x 108 Hemstitched	3.50

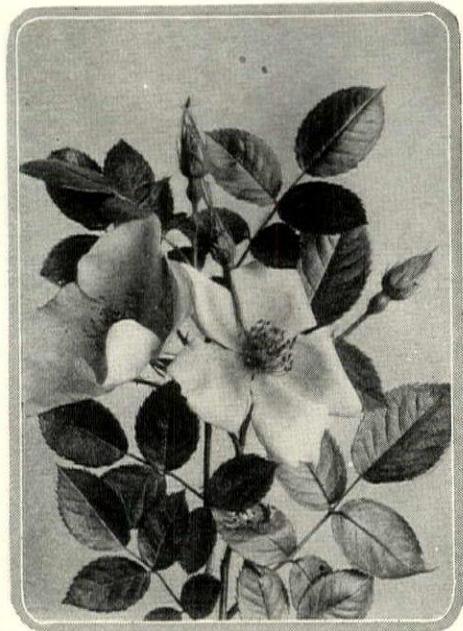
Made expressly for McGibbon & Co.

Less 10% January Discount

McGibbon & Co

3 West 37th Street - New York

NEAR FIFTH AVENUE



"Bloomfield Dainty" has orange yellow buds that open to a solid canary yellow

A NEW RACE OF ROSES

(Continued from page 98)

BLOOMFIELD DISCOVERY. Hardy in Central East; silver-pink bloom, deeper pink on outside of petals, copper pink bud. Diameter 3 inches; growth up to six feet.

Recommended for Central East.

BLOOMFIELD EXQUISITE. Not as hardy as balance of this class; in reality a Hybrid Tea Climber, with strong and constant climbing habit. The flower is a solid, light, clear pink, a trifle darker than the deepest shades of Caroline Testout. The bud is of nice spiral form. The open bloom is extremely double, and even when fully developed this rose is clothed to its center with petals. The perfume is of distinct loveliness; the color does not change, and the flower lasts well. The stem for cutting is often long. The greatest value of this variety is its lasting as a decorative climber. The foliage is quite resistant to mildew, and excels most Hybrid Tea Climbers in this respect. Continuous in bloom and giving a greater number than the average Hybrid Tea Climber.

Recommended for the East, with protection, the Pacific North-west and all Southern Districts.

BLOOMFIELD FASCINATION. Hardy in Central East. Double one and three-quarter inches in diameter; light yellow; good foliage; blooms until frost; growth up to five feet. In California the growth is up to fifteen feet; the foliage is held beautifully through a long season, and the variety might be called an ever-blooming Banksia.

Recommended for Southern climates as an ever-bloomer; also Central East and Pacific North-west.

BLOOMFIELD MAGIC. Hardy in Central East. Semi-double, buds salmon-pink; opens cream; growth up to six feet; blooms on old and new wood through October. Continuous.

Recommended for Central East.

BLOOMFIELD MYSTERY. Hardy in Central East. Silver-pink, with yellow tinge; single two inches in diameter; foliage good; growth up to six feet.

Recommended for Central East.

BLOOMFIELD PERFECTION. Hardy in Central East; blooms singly and in clusters on old and new wood; buds pink with light orange shading, opening to a very double flower of larger size than the balance of the doubles of the class, and of attractive form; does not ball, open loose or fade, and has perfume. The color of the open bloom is salmon pink with a yellow glow, and as it ages the color in the center often intensifies. The growth is up to ten feet in California, with many strong canes. Foliage mildew proof and holds tenaciously; blooms continuously, and may be used as a hedge as a single plant or as a climber.

Recommended for Central East, Pacific North-west and Southern climates.

BLOOMFIELD PERPETUAL. Extremely hardy; pure white; single, large size; mild fragrance. Bush grows in Central Zone up to five feet and blooms continuously from spring to frost; occasionally of almost climbing habit. Foliage glossy; very free from disease. Good for masses or hedges. Not as hardy as Rosa Altaica, but preferable where hard on account of continuous blooming.

Recommended for Central East, and for test in North.

BLOOMFIELD ROCKET. Absolutely hardy in Central East; single, large size; dark pink or light red; bloom from spring to frost; growth up to eight feet. Takes several years to become established, and then a dependable, hardy, ever-blooming climber. Lateral should be encouraged and the growth cut back, otherwise too spindly.

Recommended for Central East and suggested for test in North.

BLOOMFIELD WANDERER. Hardy in Central East. Long orange and pink bud opening into a large single flower of the same shades. A decorative climber, which, on account of the substance of its petals, lasts well. The foliage is thick, impervious to disease and holds. Growth in California up to 15 feet, and of sufficient growth

(Continued on page 102)



*The Mason & Hamlin
with the Ampico*

ANOTHER GREAT PIANO CAN NOW OFFER YOU THE AMPICO

THE whole wide world of music will appreciate the significance of this announcement. The Mason & Hamlin, an instrument that has for years held a place of highest distinction among artists, professional musicians, and the more accomplished amateurs, may now be bought with the Ampico.

Only in these pianos

Hitherto the Ampico has been obtainable in the Knabe and the Chickering. The addition of the Ampico to the Mason & Hamlin means that now *three of the four* great pianos in general use on the American concert stage are equipped with the Ampico.

The Ampico is also found in five other pianos, instruments that have held recognition for generations as pianos of quality. They are: the Fischer, the Haines Bros., the Marshall & Wendell, the Franklin; and in Canada the Willis also. The Ampico, with its priceless endowment of the play-

ing of the greatest pianists, is limited to these pianos. All of them are fine enough to do justice to its music.

What is the Ampico?

The Ampico is the marvelous device that produces on the strings of your piano exactly those effects which were secured on another piano in our recording laboratory when a great artist sat before it and played.

The keys go down, the dampers rise and fall, the strings vibrate, each note sounds and stops or is sustained exactly as the artist who made the recording intended. Yet neither in the appearance of the piano nor in its action when it is played by hand is the presence of the Ampico suspected.

The Ampico brings to your piano the unblemished art of Levitzki, Rachmaninoff, Rosenthal, and hundreds of the great pianists of this generation, as well as Vincent Lopez, Adam Carroll, J. Milton Delcamp

and other famous interpreters of dance and popular music. The Ampico library is a rich treasury of piano compositions, faultlessly, thrillingly played.

The silent or player piano you now own will entitle you to an allowance on the purchase of your Ampico. This exchange privilege and convenient terms of payment make it possible for you to experience without delay the myriad joys of owning an Ampico. Foot-power models, \$795. Electric power models, \$985 to \$5000. With freight added. Uprights and grands.

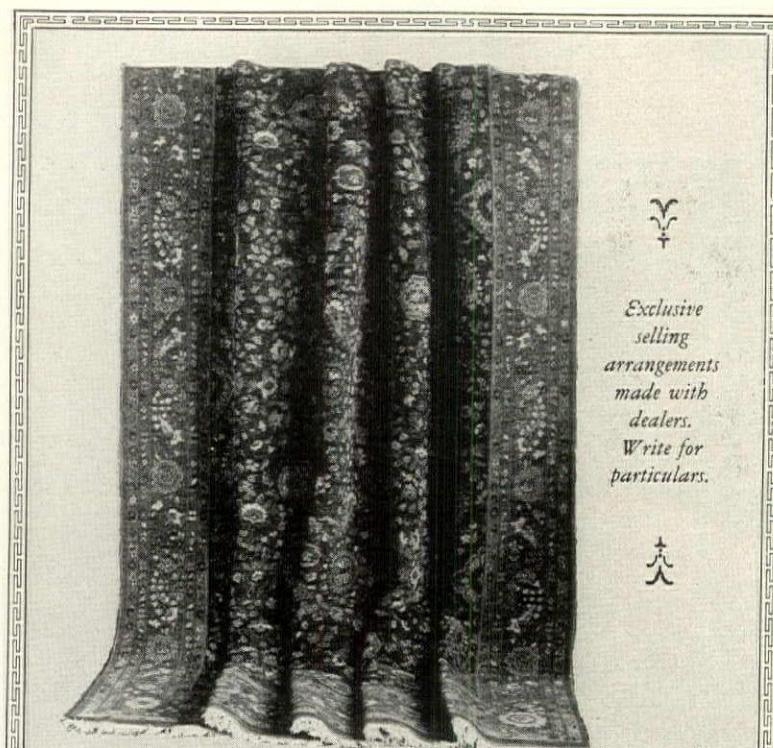
Have you heard the Ampico?

If not, take the first opportunity to hear it at any store where any of the pianos listed are sold.

Perhaps you will want to learn more about the Ampico before hearing it. A booklet describing the Ampico and outlining the large library of Ampico recordings will be sent on request.

The AMPICO

The ALL of the Piano



KASHMIR REPRODUCTION
Woven in one piece of Imported Oriental wool

BENGAL-ORIENTAL RUGS

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Mail this coupon to Consulting Decorative Department

THE HOUSE OF SHOEMAKER
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A NEW RACE OF ROSES

(Continued from page 100)

for climbing purposes in Central East. Gives a large crop of blooms in its spring burst, and scattering flowers thereafter.

Recommended for Central East, Pacific North-west and Southern climates.

CASCADIA. Hardy in Central East; light pink bud; open flower flesh, shell pink center. Blooms through the entire season. Growth up to six feet in East; much larger in Pacific North-west, where the bloom comes in long clusters, most striking and novel. Won gold medal at City of Portland International Rose-Test Garden, 1922, scoring 96 per cent.

Recommended for Pacific North-west and for test elsewhere.

MRS. GEORGE C. THOMAS. Hardy in Central East. Semi-double, diameter 2½ inches; color salmon pink to orange center; blooms on old and new wood; growth up to eight feet in Philadelphia; continuous from June to November. This rose won the gold medal of the City of Portland, and also the gold medal of the American

Rose Society at the International Test-Gardens, Portland, Oregon, in 1921. An ever-blooming climbing rose.

Recommended for Pacific North-west and the Central East. Foliage lost in long growing seasons in the South.

W. F. KENDRICK. (Originally called "Bloomfield Endurance.") Extremely hardy. Silver-white, with peach-blush center; globular bud which opens to cup form; medium size; lasts well; slight fragrance. Very good foliage; fine growth and good stem. A hardy ever-blooming pillar or decorative rose of only fair value for cutting, but with fine lasting qualities. Won silver medal at International Test-Garden, at Portland, in 1920, for second best rose for general outdoor cultivation, and first for best rose of same type, produced by an amateur. Gave one hundred and eighty-nine blooms during this test, and scored 94 per cent. Balls in cold dampness.

Recommended for southern districts Pacific North-west and Central East.

AN OUTLINE OF OUTLETS

(Continued from page 80)

operate a push button switch may have considerable trouble in forcing the button in, whereas the tumbler switch is operated by a knock or pull.

Single pole switches are used to control lights from one point such as in a bath room, bed room or any small room where control from one point, usually adjacent to the entry door, is satisfactory. Three way switches are used to control lights from two points. The most common use for switches of this type is in the control of stairway lighting where it is desired to turn the lights off or on, as case may be, either at the bottom of the stairs or at the top. They are also used extensively in rooms having more than one point of entry such as living rooms, dining rooms, etc. A three way switch is placed at each separate entry and in this way it is possible to pass on through the house, lighting the way ahead and darkening the way behind, a very desirable feature. Four way switches are used in connection with three way switches so that lights may be controlled not only from the points where the three way switches are located, but also at any one or number of intermediate points as may be desired. Their chief use is in stairways where the lights all the way up and down are to be controlled at each floor level, such as basement floor, first floor, second floor, etc.

Plug receptacles or convenience outlets are made in many different styles and applicable to installation in floors, walls, baseboards, etc. They are all furnished in the dead front pattern, so called because there are no live

parts exposed. The standard plug receptacle is made in the single and duplex types, the duplex, as the name signifies, being arranged to accommodate two plugs at the same time. Then there are various combinations of plug receptacles with bull's eye indicating lamp, with cutout switch, with both lamp and switch, etc. The combination of receptacle with indicating bull's eye lamp is very desirable where any heating appliance, such as iron or cooking device, which does not show visibly when current is on, is used, as the light remains on as long as current is passing through the appliance. The addition of a switch to this combination allows the current to be turned on or off without pulling out the plug. There is also a combination of switch and bull's eye indicating lamp which may be used in cases where it is desirable to have some indication of whether certain out-of-way lights, which cannot be seen from the switching point, are burning. Basement lights, attic lights, porch lights, etc., are examples of this.

Install at some convenient point in basement a bell ringing type, low voltage transformer and wire up complete to electric service, to bells and to front and rear push buttons. Use different toned bells or bell and buzzer for easy distinction between front and rear signal.

It has been estimated that not less than three percent of the total cost of the house should be reserved to cover the electrical wiring installation and an additional three percent for the lighting fixtures.



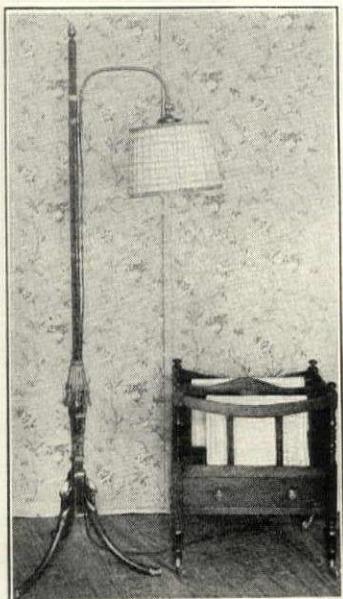
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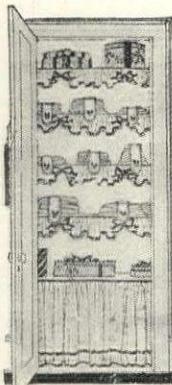
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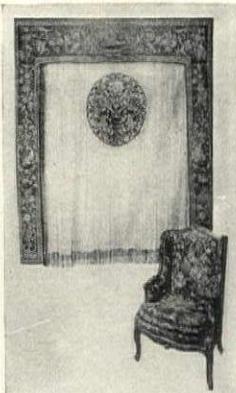
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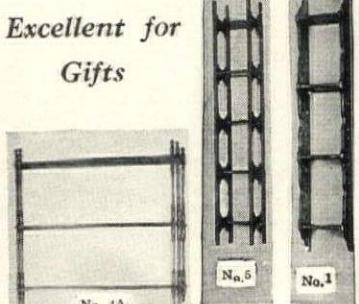


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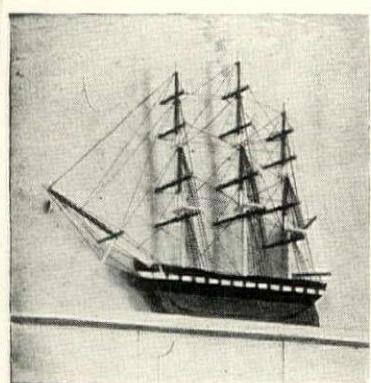
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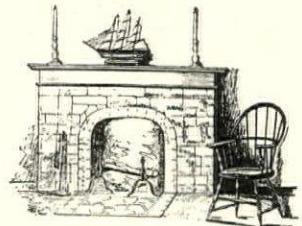
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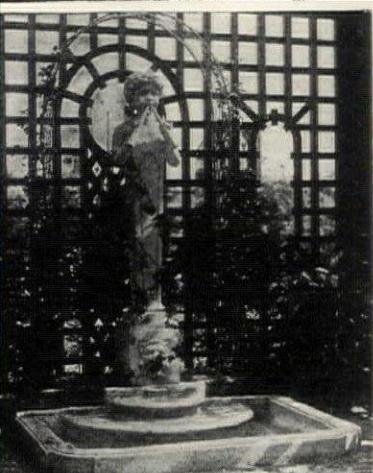
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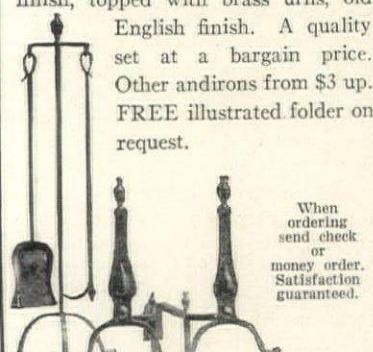
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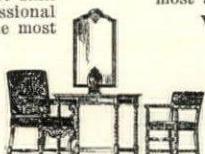
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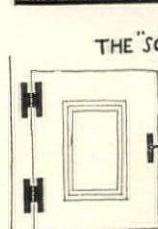
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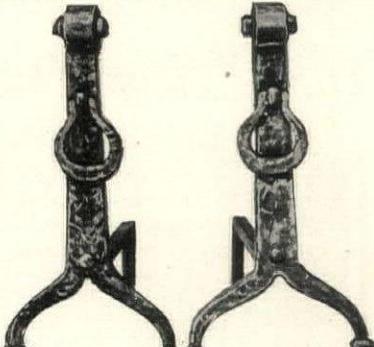
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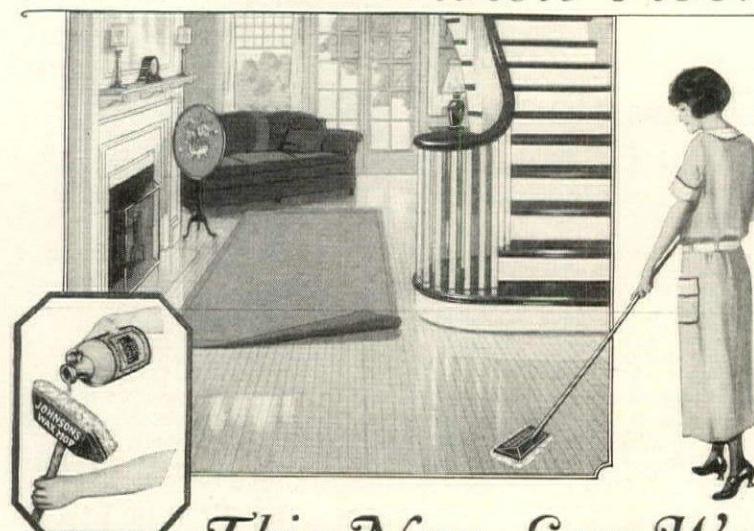
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This New, Easy Way

INTERIOR decorators agree that the beauty of a room depends largely on the beauty of its floors. For the floor is the natural background for rugs and furnishings. The finish of your floors then becomes a matter of prime importance.

There is a floor finish which has withstood the wear and ravage of centuries—the waxed finish in the beautiful castles and palaces of Europe. Perfectly preserved, this waxed wood mellows and glows with the years. You can easily have this same beautiful finish on your floors.

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If you already have a mop—you can get the Weighted Brush, a quart of Johnson's Liquid Wax and the Book for \$3.50—a saving of \$1.65. Or any of these articles may be purchased separately.

Ask for a FREE copy of the Johnson 25c Book on Home Beautifying at your best Paint or Hardware store. Or, mail us 10c to cover postage and wrapping.

FLOOR CLEANERS AND POLISHERS

(Continued from page 81)

and if it "bunks" into your wood work, it is padded and therefore harmless.

Some of these machines are made to refinish floors, and they sandpaper very evenly. Imagine being able to scrape off the old places, without kneeling to do it and breaking the back for hours and hours!

There is no gainsaying that the floor is *the* thing in our homes. A poor floor maketh the home to reel; a fine floor makes the home "stand up."

If this story on the floor machine—the first to appear in any magazine—praises this device and makes it seem Utopian, wait! It may seem so now, but so did the first descriptions of the suction cleaner! People first thought they were good new fangled bits of fancy work, but as for buying them! Bah! "The good old broom would do!"

There is no reason in communities of small homes, where the chatelaine does her own work, that a floor machine couldn't be bought by a group of women and so obviate forever the need of floor scrubbing in the old messy, sloppy, wretchedly old-fashioned fatiguing way. Why not? We know groups that have the mowing machine and other things in this way and it works delightfully. If the lawn mower—why not other machines?

The floor machine can be used, too, for keeping a table top in condition—scraping and polishing it with thoroughness. This is a very useful function, as you will recall, and saves the necessity of expensive cabinet makers and of having to send the table away or do it yourself with more labor than it can be done with machinery.

With these machines comes a squeegee and a pan which are used when you scrub the floor or use the machine for anything that leaves a residue of scrapings, or water.

When you scrub with the machine, water necessarily will be spread about. Instead of getting down to mop this up, the rubber hoe pushes the water, as you steer it, into the pan which is built as a receiver. Then afterwards the pan is emptied!

At last the squeegee has come into the home. For ages men have used them, yet women, for some unknown reason, though the weaker sex, insist on doing things in the most heartbreaking way, to say nothing of body breaking and spirit lacerating!

Today domestic machines are *not* luxuries—they are necessities to make the maidless home livable and one's wife lovable.

There are more economies, Good

Housewife, in domestic relations than money saving! The floor machine can do any floor job in one-third the time of the hands-and-knees process. This is so because the weight (40-60 pounds) is centered over the spot being treated and the rapidly revolving brushes couple with the weight and do the trick—like no woman's hands could! And so here is the economy of time and physical outgo of energy.

Another economy worthy of attention is the economy of ear strain—these machines are not noisy.

Then to fiscal consideration: the floor machine uses half the liquid wax needed and saves your floors easily and well because it's fun to use the machine and it's not labor to wax the floor—however extensive.

The cost in electric current is no more than from 1-1/2 to 2 cents an hour!

This article does not intend to take up floor care, but we must say here that the best way to care for a floor is to keep it waxed with the fine floor waxes now on the market. Oily preparations gum, oxidize and brown and are dirt traps and rug destroyers. Shellac is bad unless finished by the benign wax.

Wax brings out the beauty of the floor and when the floor is dull it must never be scrubbed (a saving), but re-polished; and here enters the floor machine! Waxing a floor two or three times a year is enough—as a general rule—and an occasional polishing and re-waxing over used places must be done according to your time and discrimination. The floor machine in this place takes the burden of effort off your shoulders, knees and arms, and, as has been said, reduces the time of performance, too.

The machines referred to at the beginning of this article are a little heavier than 40 pounds and there are some from 60 pounds up. These heavier ones scrape and grind too and are usually sold for small hotels and large institutions, etc.

For the home, the scrubber, waxer and polisher is almost all that is absolutely necessary. Yet there are those who want the whole "works" and there is no reason why it cannot be had, for it awaits the happy purchaser.

And so if this machine is comparatively little known now it will soon be as prevalent in our homes as the suction cleaner. The irksome processes of home life are dishwashing, sweeping and polishing, and the greatest of these is polishing—long neglected as unconquerable—but now attacked surely and positively with the newer floor machines.



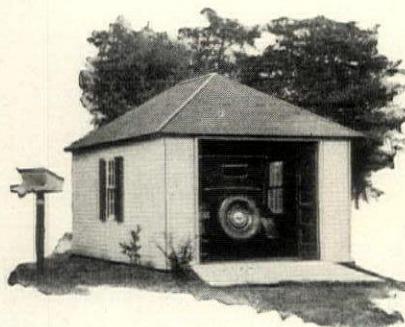
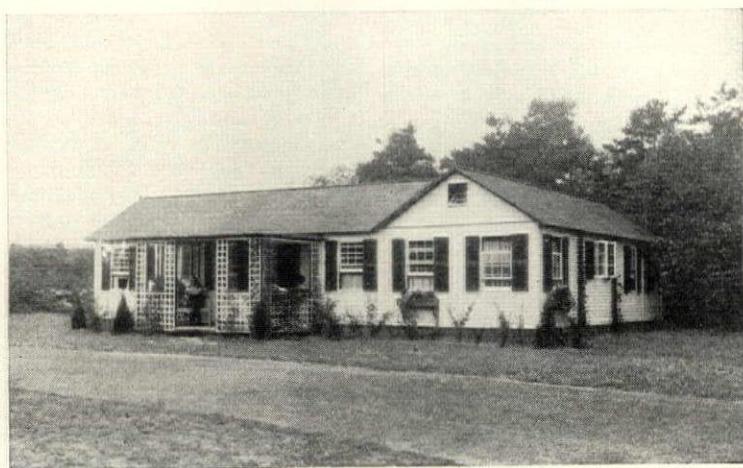
Any store displaying this sign can furnish the Johnson Floor Polishing Outfit. These stores also carry a full line of Johnson's Artistic Wood Finishes.

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HIGGIN ALL METAL WINDOW SCREENS



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Tells how to screen your home

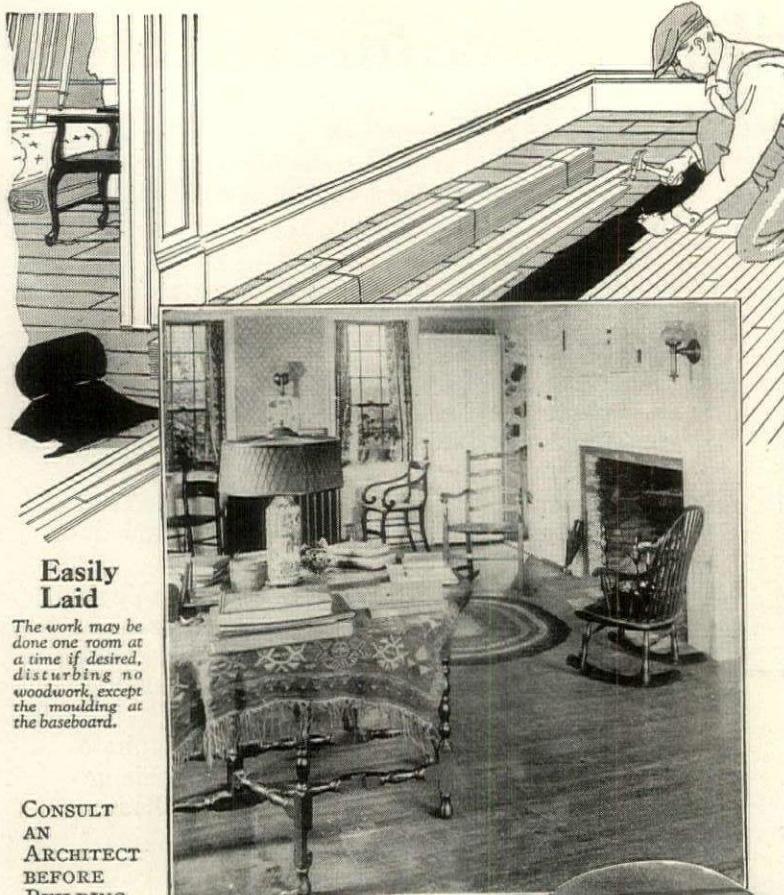
IT is trite to say that screens should be unobtrusive, fly-tight, mosquito-proof and durable. But the screening of a home to meet these requirements is a job for an expert. That is why Higgin All Metal Screens are always installed by Higgin service men, trained in every detail of screening the home, from measuring to fitting.



Send for your copy of the beautifully illustrated and informative book "Your Home Screened the Higgin Way." It will help you to decide how your home should be screened to keep out summer pests and insure the comfort and health of your family.

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The work may be done one room at a time if desired, disturbing no woodwork, except the moulding at the baseboard.

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AN
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BEFORE
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Lay $\frac{3}{8}$ -inch Oak Flooring over the old softwood floors, at little expense

Centuries of growth have produced a toughness of fibre in oak that defies wear. Oak Flooring, Nature's own product, is not an artificial or temporary floor covering. It is permanent, and becomes more mellow, beautiful, and valuable with age. The characteristic grain and figure cannot be successfully imitated.

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Put your flooring problems up to our experts. We will gladly serve you.

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Please send me "THE STORY OF OAK FLOORS," and "How and Where to Use Oak Floors."	
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The Story of Oak Floors' 24 pages of valuable information for those about to build, or remodel, suggesting different grades for different rooms, various finishes, illustrated in color. With this "de luxe" book you will receive "How and Where to Use Oak Floors," a booklet of practical information on the proper care of oak floors.

THE ART OF THE TILE

(Continued from page 60)

countries in southern Asia and Europe, where the art of the tile first flourished, these lustred slabs were richly ornamented and brilliantly colored, and they were used to cover great surfaces on the inside and outside walls of buildings. Because of their use over broad areas the individual tiles could afford to carry (in fact it was quite necessary that they should carry) designs correspondingly generous in scale. Having been planned for such huge patterns the tiles which were used in this particular way, though they and their modern reproductions are perhaps the most beautiful which have come out of the Renaissance, are seldom ideally suited to incidental use in modern domestic architecture. They need settings of certain grandeur which they can get only in large buildings and on the exterior of houses in the Spanish style and in the gardens of those houses. However, the characteristic loveliness of these tiles is being preserved in reproductions, of American design, which simplify their intricacies and reduce their scale in such a way that these reproductions are perfectly appropriate for use in borders, panels and fireplaces in even small houses.

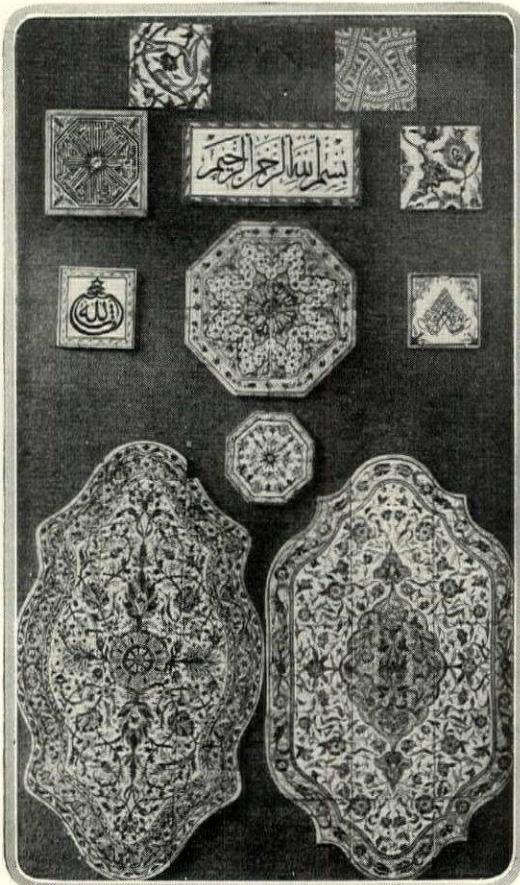
The use of tiles on the exterior of the house and in the garden will be dwelt upon in some subsequent issue of HOUSE & GARDEN; here there is space only to outline their possibilities indoors, from floor to frieze. Except in warm climates, the use of decorative tiles on floors holds the same disadvantages inherent in any stone-like surface: extreme hardness and a certain effect of coolness. In such semi-indoor rooms as sun porches they are perfect.

In bathrooms, but for other obvious reasons, they are perfect too. Here they are first of all a waterproof lining for the room, and they may be used on the walls from a wainscoting height to the ceiling; nor is there any need in bathrooms for a complete surfacing in the traditional stark whiteness. The beauty and relief of panels, moldings, baseboards and friezes of colored and polychrome tiles against the white is made apparent in the examples shown on pages 60 and 61.

Fireplace faces offer a splendid opportunity for tile treatment. Here, as in wall panels and overmantel decorations, tiles may be fitted into the space and make, with their individual patterns, the larger pattern of the panel, or a definite design may be made for the particular shape of the space and this design transferred to tiles specially made for the purpose.

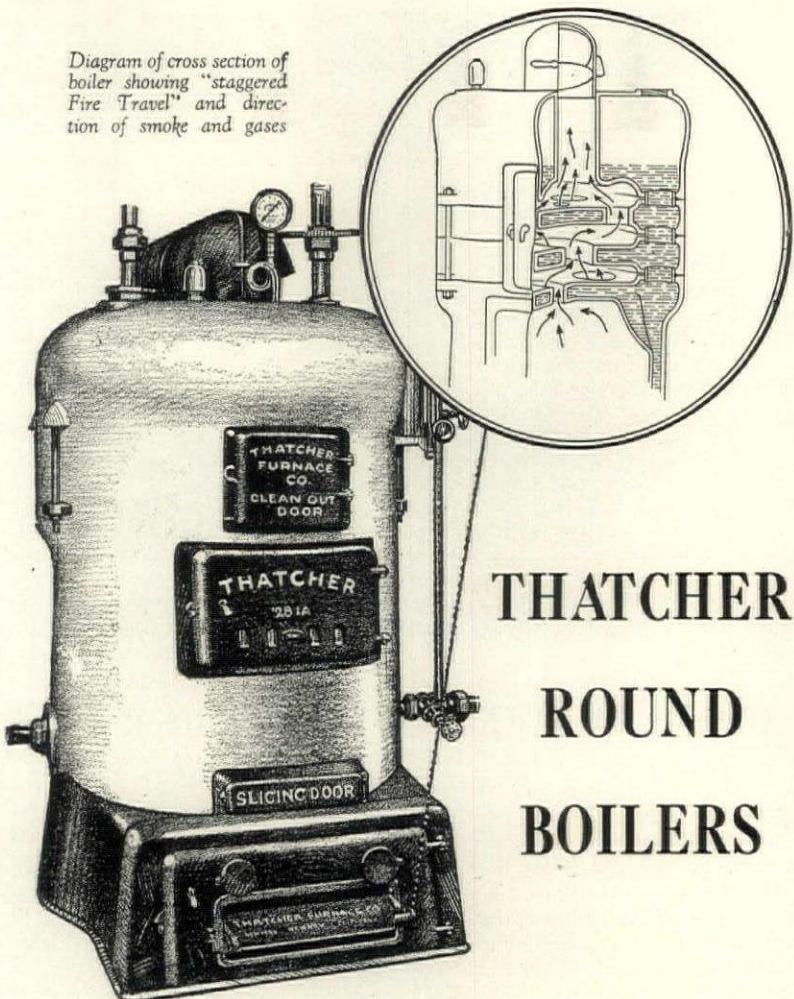
Door openings may be lined with tiles; "baseboards" may be done with specially molded tiles; window sills may be covered with them, friezes and cornices made; in fact, scarcely an architectural detail exists which cannot be carried out in tile, and carried out beautifully if it be remembered that there is such a thing as surfeit.

The era of ugly tiles is past. It passed with the era of ugly architecture. Of course, both still exist in plenty, but the beautiful in both is easily available. Reproductions of the best tiles of all periods and places, as well as modern tiles of extraordinary loveliness, are being made both here and abroad, and only an acquaintance with them is necessary to make apparent how important a part of our houses they may become.



The tiles with the inscriptions are Turkish; the larger octagonal panel is Arabic, and the two large panels below are reproductions of old Persian work. Courtesy of the Robert Rossman Co.

Diagram of cross section of boiler showing "staggered Fire Travel" and direction of smoke and gases



THATCHER ROUND BOILERS

For Economical and Reliable Service

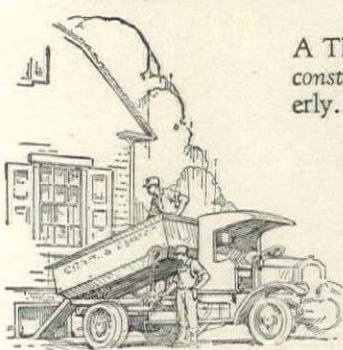
THATCHER Round Boilers are constructed of the highest quality materials. They are *economical* in coal consumption and have *conservative* rated capacities. The special "staggered fire travel" extracts practically every heat unit from each shovel-full of coal and utilizes the valuable hot gases and smoke before allowing them to escape up the chimney.

The easy and exact regulation of Thatcher Round Boilers means consistent heat. The delicately balanced "Butterfly" draft damper doors and the check draft damper in the smoke hood are adjusted to provide ample heat to every room in the house. The fire pot or body of the Thatcher Round Boiler is $1\frac{1}{2}$ inches deeper than the accepted standard.

All Thatcher Round Boilers are furnished with triangular revolving grates which crush and dispose of all clinkers.

A Thatcher Round Boiler does not require constant firing to keep it operating properly. Attention two or three times a day is all that is required. These boilers come in 5 series, in sizes built to meet the needs of every type of private dwelling.

Write for the new Thatcher booklet "Helpful Hints on Heating". It will prove a helpful guide in choosing your heating plant.



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"It's a joy to live with Good Hardware"

E SPECIALLY in one's kitchen—where cupboard and cabinet doors are forever on the swing and drawers and closets are opened forty times a day.

You want Good Hardware—Corbin there. Dutiful hinges to swing cabinet and pantry doors with alertness. Cupboard catches and turns that serve without argument. Drawer pulls that cheerfully respond to hurried hands. Good Hardware is indeed a joy to live with. Did you ever notice how many good buildings are equipped with Good Hardware—Corbin? Thousands upon thousands. Corbin designs and makes hardware to answer the specific requirements of every type of good building—houses, offices and public buildings, schools, churches, factories, stores. Their owners rely on Corbin.

Let us send you the interesting story "Good Buildings Deserve Good Hardware"

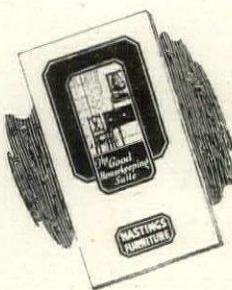
P. & F. CORBIN SINCE 1849 NEW BRITAIN CONNECTICUT
The American Hardware Corporation, Successor
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This reproduction of a rare old Georgian secretary is one of many Hastings occasional pieces which harmonize the fine traditions of the past with the requirements of modern homes.

HASTINGS
FURNITURE

A Georgian Masterpiece for Your Home



Write for this interesting brochure describing the Hastings early American suite selected by Good Housekeeping Magazine as the ideal furnishing for the modern small dining-room.

With rare skill and artistry, Hastings has reproduced the stately old secretary desk for modern homes and apartments. The handsome Georgian reproduction above provides all of the commodious appointments of the original design, yet it fits compactly into small, modern wall-spaces.

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HASTINGS
FURNITURE

The MARK OF
FRED E. HILL
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Mahonia repens is a dwarf carpet plant useful for rockeries. It has gray-green foliage, yellow flowers and black fruit.

THE BEAUTY OF BARBERRIES

(Continued from page 76)

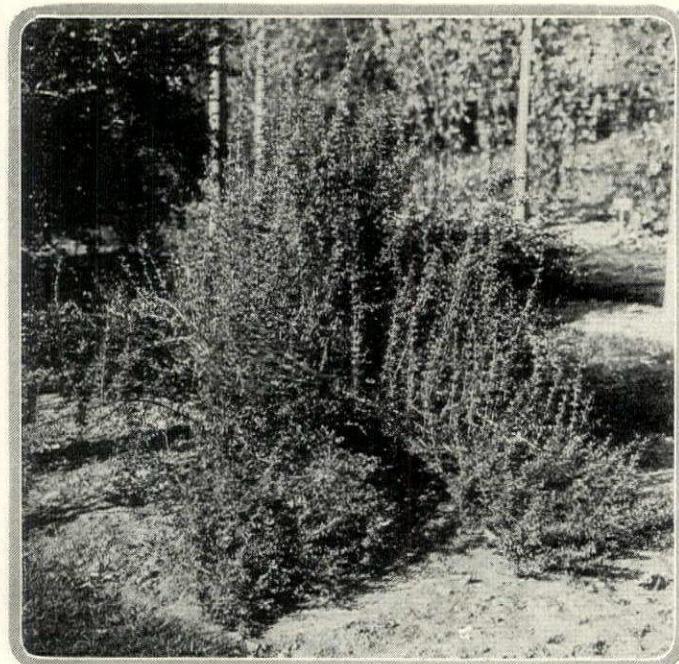
Be it therefore enacted by the Governor, Council and House of Representatives that whoever, whether community or private person, hath any Barberry bushes standing or growing in his or their land, within any of the towns of this province he or they shall cause the same to be extirpated or destroyed on or before the 13th of June, 1760."

Apparently this law, like many others was not lived up to and the extirpation demanded was not carried out for the Common Barberry is today plentiful as a naturalized bush throughout Massachusetts where in the fall season especially it adds beauty to the countryside.

Probably the most widely known exotic shrub in this country is *Berberis Thunbergii*, a gift of the Arnold Arboretum to American gardens. This Barberry is native of the mountains of Japan where it was discovered and

sent to Petrograd Botanic Gardens by a Russian botanist in 1864. So long ago as January, 1875, seeds were received from Petrograd by the Arnold Arboretum and a few years later plants were freely distributed. Its hardiness, ease of culture and general usefulness has made it one of the most popular shrubs grown in this country. Some contend that it is much too commonly planted but none can deny its great utility. Given room, it makes a rounded mass from six to eight feet high and more in diameter. In the spring the arching branches are strung with hanging yellow blossoms and in the autumn with shining scarlet berries. The leaves in fall are varying shades of orange and red to crimson and throughout the winter the fruits glow like jewels and it is no uncommon sight to find them on the bushes well into the following summer.

(Continued on page 114)



Quite distinctive is *Berberis dictyophylla* with white sucker-shoots and leaves white on the underside. This foliage turns red in the autumn.

Leading Dealers Now Offer Kirsch Curtain Rods.

In Beautiful StippleTone Finish

*Three ways to be
sure of getting
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Kirsch Rods*

- 1 Three-Color Box
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"There is
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Your dealer has the new Kirsch Rods. They're the most beautiful window draping fixtures you've ever seen. The "Kirsch" StippleTone finish is rich and silk-like. Entirely new and different. More durable as well as more artistic.

Kirsch Rods provide most effective help in windowdraping: Easy to put up, easy to take down, fit every window, take care of every draping treatment. They tilt on or off the patented Snug-fit Brackets, but never come down accidentally. Kirsch Accessories—heading rings, drapery hooks, draw curtain fixtures—are equally simple and practical. Look for—The 3-color box—The StippleTone finish—Name "Kirsch" on the rod.

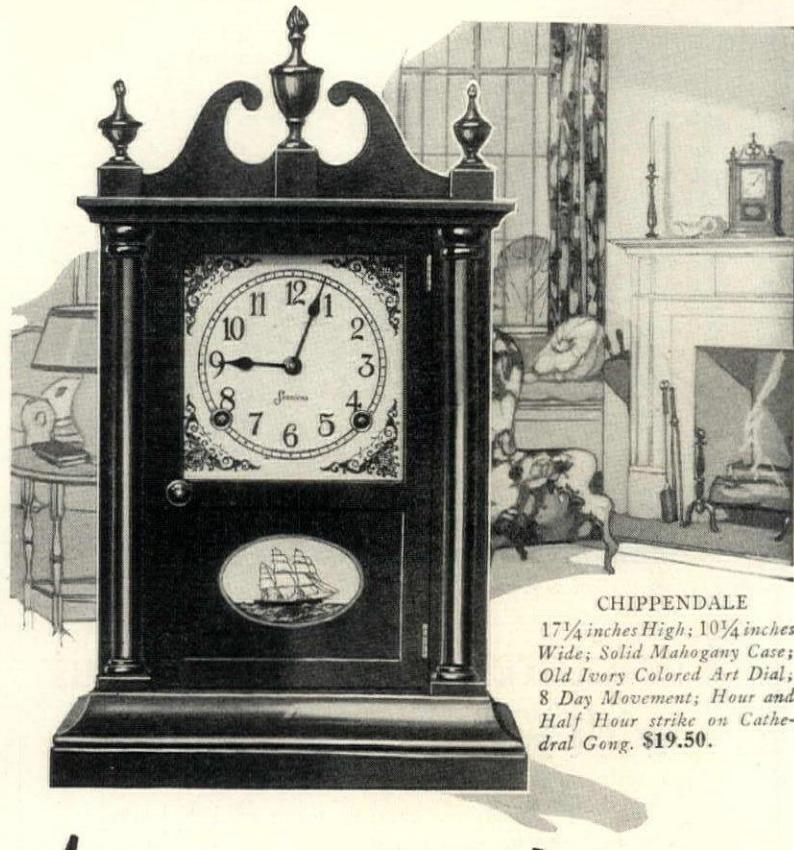
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If the booklet doesn't give all needed help, write the Kirsch Interior Decoration Service Bureau.



CHIPPENDALE

17½ inches High; 10¼ inches Wide; Solid Mahogany Case; Old Ivory Colored Art Dial; 8 Day Movement; Hour and Half Hour strike on Cathedral Gong. \$19.50.

*An easy way to make a room
more attractive*

HAVE you ever come back to a house that has been closed? You raise the shades. The sun shines perhaps on the mantle clock. You set and wind it. It sounds the hour, and welcomes you with its friendly tick. Ah! You know you're *home* then.

A Sessions clock is often just the one touch that can add to the charm, convenience and "livability" of a room. Suppose you put a Sessions Chippendale on the mantle or book case in your living room. Or hang a Sessions "Banjo" clock on that wall panel in your dining room. What an improvement it is!

The skill and craftsmanship of men who have devoted a lifetime to the perfection of design and construction of Sessions Clocks is instantly revealed in the splendid variety of unique patterns, of which the Chippendale and Concord, shown here, are but two examples.

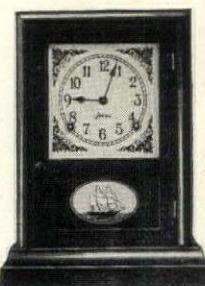
Thorough mechanical workmanship and close inspection during generations of clock making assure you of a lifetime of service and satisfaction with your Sessions Clock.

It is unnecessary to pay more than the moderate Sessions' prices for Dependable Time.

You will find many styles of Sessions clocks at stores noted for their good values. Ask to see them.

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**Sessions
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DEPENDABLE TIME

THE SESSIONS CLOCK CO.

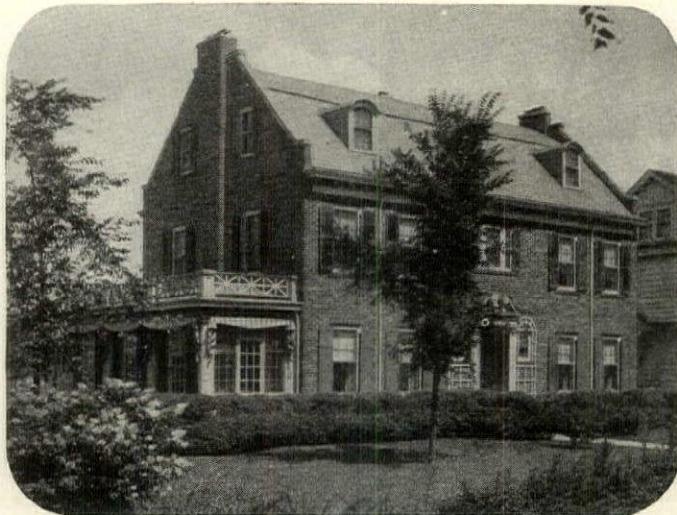
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Please send me *Friendly Clock Book*. Let with interesting story of clock making and pictures and prices of thirty-two clocks and candlesticks, suitable for various rooms in my home.

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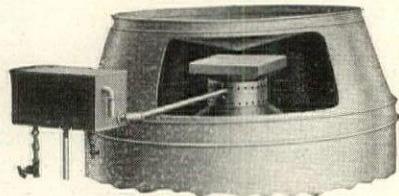
Furniture Does Not Dry Out with Kelsey Health Heat

How discouraging to find some cold February day that the beautiful living-room table of which you have been so proud has begun to get loose and pull apart at the joints. Dry heat has done it.

With Kelsey Health Heat your woodwork and furniture cannot dry out. The Kelsey Warm Air Generator furnishes you a constant supply of warm, fresh, moist air—automatically humidified—that keeps every bit of woodwork and every piece of furniture in its natural condition—no cracking or pulling apart because of dry heat. And the same air is as good for you and your family as it is for your furniture—no dryness to irritate throat and nostrils and bring on headaches and winter colds.

The Kelsey is an investment in healthful heating—it is built to last, like the house, and burns less coal than other systems. No radiators to take up valuable space.

"Kelsey Achievements" will tell you about the heat that doesn't dry. Ask us to send it to you.



A Special Moistening Attachment

THE KELSEY
WARM AIR GENERATOR
(Trade Mark Registered)
237 James Street, Syracuse, N. Y.

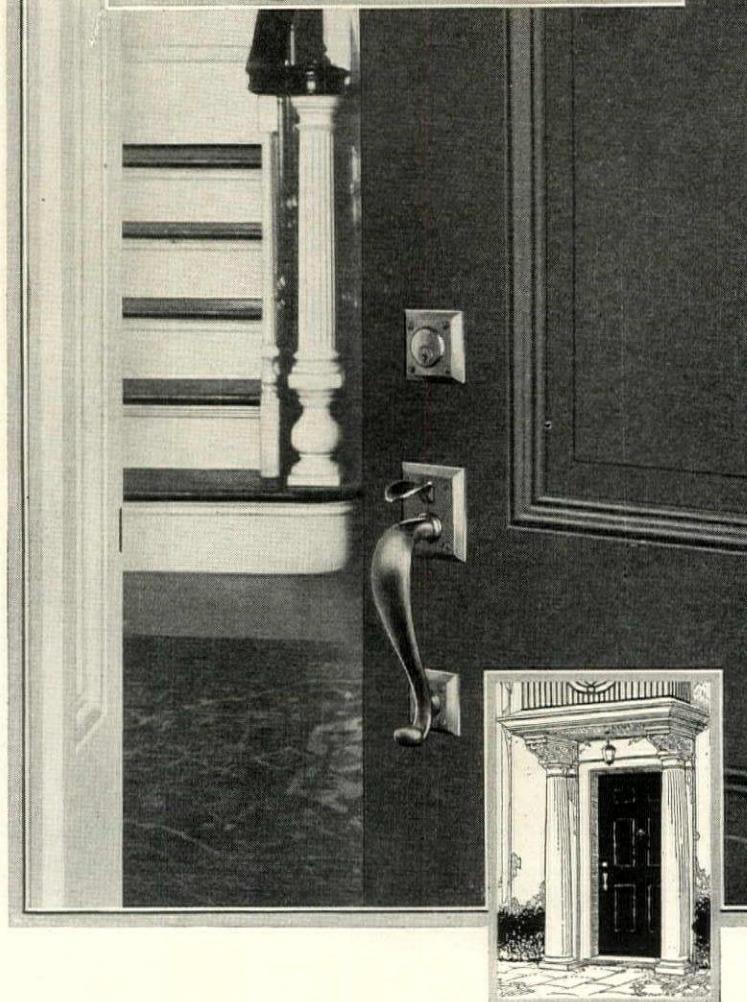
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Remember the part hardware plays . . .

BETWEEN the pleasant gesture of its portico and the actual welcome of your home will stand a door. And whether this will be harmonious with the whole, or merely a door, depends largely on the hardware you choose.

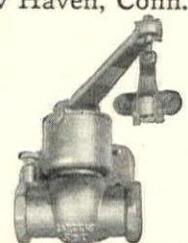
From Sargent Hardware of time-resisting brass or bronze you can select handles, knobs, escutcheons and fittings which best harmonize with your home throughout. Security will also be assured—built into the sure-acting, lasting mechanism of Sargent locks, probably the finest ever made for inner and outer doors.

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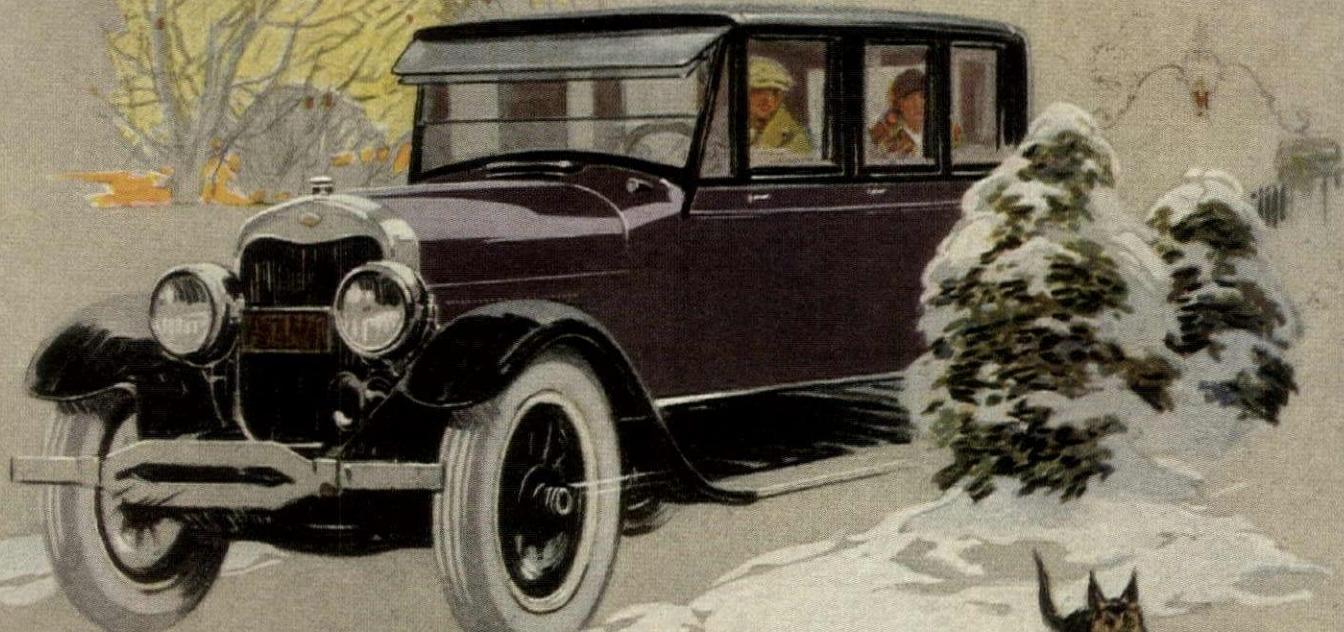
SARGENT & COMPANY, Hardware Manufacturers
31 Water Street **New Haven, Conn.**

SARGENT "520" DOOR CLOSER

This small door closer is one of the greatest conveniences used in the modern home. It closes doors that should be closed, silently and surely, and keeps them shut. Controls storm doors in winter, screen doors in summer, and the hall lavatory, back-stairs, cellar and refrigerator-room doors the year round. It is inexpensive and easily applied.



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LINCOLN MOTOR COMPANY
Division of
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*The wallpaper design reproduced in
this panel is one-eighth actual size.*



CALL it what you will—solarium, sun parlor or built-in porch—by any name it is equally popular. It is really a bit of outdoors brought inside your home for all year round. And this should be kept in mind in the decoration of its walls.

The solarium is a sunny garden in your home. Its walls should be as joyous in their coloring as your flower garden is in June. Here, if anywhere, in your home you may be daring with your wallpaper.

Here, too, as always, wallpaper fits in with your every mood and need. For in the wide range of modern wallpapers you will find every conceivable coloring in an infinite variety of designs.



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To sweet repast and calm repose."*
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*"He who looks before he leaps
Builds of Cypress and builds for keeps.
Cypress for every outdoor use
Scorns Weather's wear and Time's abuse.
It doesn't rot, nor twist, nor swell;
It lasts, and LASTS—so well."*

CUT THE BUDGET

for the up-keep of your new Cypress Colonial Home by being sure that the Cypress you use is *true "Tide-water,"* from swamps not over 200 miles from the sea.

You know "it's repair bills that eat the holes in the bank account."

Avert them by insisting on trade-marked Cypress, the "Wood Eternal," & no substitutes. You should have a copy of Vol. 44. "It's a classic in its field." Complete Working Plans Free.

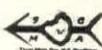


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Insist on Trade-marked "TIDEWATER" CYPRESS. Accept no other.

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Tudor Stone Roofs

It is interesting to note the marked individuality which this rugged Tudor Stone roof imparts to this house.

Tudor Stone, a product of our Vermont slate quarries, is endowed by nature with a wide range of color tones, and a rugged, interesting texture. As each roof is especially designed by us, in conjunction with the architect, perfect harmony is assured.

Our Architects' Service Department, under the personal direction of Mr. Walter McQuade, a practicing architect, will gladly co-operate with you and your architect in planning a Tudor Stone Roof.

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Architects' Service Department
101 Park Avenue, New York
BOSTON PHILADELPHIA CHICAGO

THE BEAUTY OF BARBERRIES

(Continued from page 110)

mer—duller in color but still attractive. As a hedge-plant this Barberry ranks among the indispensables, being easily kept in shape, dense in habit and well-nigh impenetrable to man and beast, a good green all summer, brilliantly tinted in the fall and lit with lustrous berries throughout the winter.

But Thunberg's Barberry by no means holds a monopoly of the family's virtues. The genus itself is a large one widely spread through the northern hemisphere and along the Andes to the southern limits of South America. Fully one hundred species are known and probably two-thirds of this number are in cultivation. Many are favorites of several generations of garden lovers, others newcomers but little known to ordinary folk. Recent plant exploration work in the Orient which has so greatly enriched our outdoor gardens has brought a great many new Barberries to our knowledge. On my own travels I have gathered them in many lands from lonely Saghalien to the little-known regions of the Chino-Thibetan borderland; on the summit of lofty Mt. Morrison athwart the Tropic of Cancer in Formosa; on the Nilghiri Hills in southern India and on mountains which straddle the Equator in Central Africa. I have added about thirty new species to western gardens; some have little claim on the cultivator, others are acclaimed by experts.

THE LOVELIEST BARBERRY

The most beautiful of all Barberries is the hybrid *B. stenophylla* whose parents are two South American species named *B. Darwinii* and *B. empetrifolia*. It is an impenetrable evergreen bush with slender interlacing stems densely clothed with narrow black-green shoots each a foot or more long which in spring are wreathed from end to end with rich golden-yellow flowers; in the autumn they are laden with globose berries which are covered with a bluish white waxy bloom. Unfortunately this Barberry is not hardy in New England but in milder climates it grows from eight to twelve feet high and more in diameter and a well grown bush is one of the loveliest of spring pictures. It is admirable in any position either as a bush on the lawn, as a covering for steep banks or as a hedge-plant, when it should be trimmed immediately after it has flowered.

Among deciduous Barberries I do not think any is more lovely than the common *B. vulgaris* whose main stems are erect and arching toward the ends. It is best when the stems are few for the hanging racemes of bright red berries are then most clearly seen. Closely akin to the Common Barberry is *B. amurensis* and its variety *japonica*. Both are very hardy, vigorous shrubs with bright green, prominently veined leaves which color well in the fall and hanging clusters of scarlet fruits. Of the typical *B. Thunbergii* enough has been said but mention must be made of the compact growing var. *Maximowiczii* and the dwarf var. *minor*, familiarly known as the Box Barberry; there is also a useful hybrid with twin-fruits named *B. ottawensis*.

A recent débutante of great charm and beauty is *B. vernae* which I discovered some twenty years ago on the Chino-Thibetan borderland. A green fountain some six feet high and twice that through, this has long slender bright red branches covered with small, nearly entire leaves; in June the stems are strung with slender short racemes of deep yellow flowers and in the autumn with almost translucent salmon-colored round fruits. It opens its blossoms late and in the fall the wealth of fruit weighs down the branches. This rather hides the fruit but on raising the stems the full glory of the bush is disclosed. The delicate salmon shade with the light reflected well into the berries produces a singularly pleasing effect. Of the many Barberries it has been my good fortune to discover and introduce *B. vernae* is my favorite among those that lose their leaves in the fall, and of the hundred different kinds grown in the Arnold Arboretum not one has such a graceful habit.

First of its group to blossom is *B. dielsiana*, a large broad shrub with erect and slightly arching branches, drooping racemes of flowers and bright red fruits. Another excellent species also from China is *B. brachypoda*, with hanging racemes and characterized by its hairy shoots and leaves. The fruit is scarlet and ellipsoid in shape.

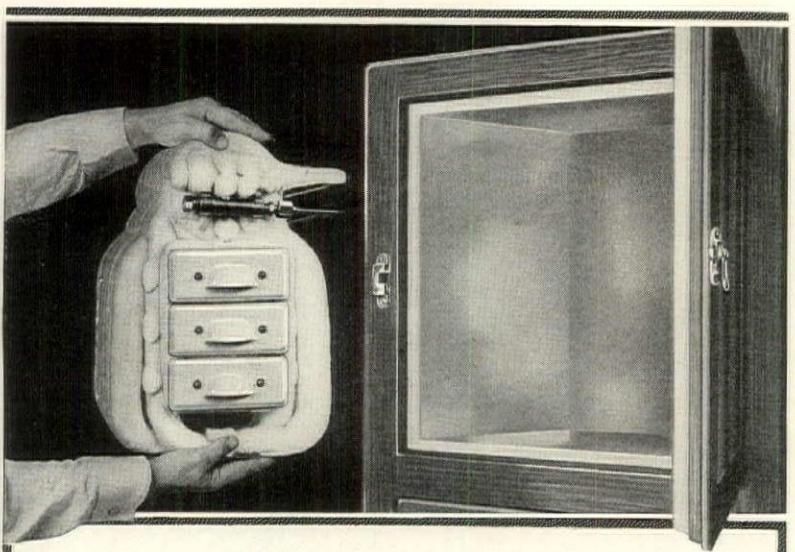
Very distinct is *B. dictyophylla* with white sucker-shoots and leaves white on the under side. It is of a loose irregular habit and the contrast in color of white stems and red to crimson autumnal foliage is most attractive in the fall. The flowers nestle among the leaves and the bright red fruit is egg-shaped. Quite different is *B. diaphana*, so dense and trim in habit with no shoot marring the symmetry of its rounded form. It grows from three to five feet high and is twice that through and has relatively large solitary flowers. No Barberry has richer crimson autumnal tints than this though its near relative *B. circumserata* with scarlet hues is a good second.

A WILSON INTRODUCTION

One of the most charming new introductions from China is *B. wilsonae*, a low-growing species of elegant habit. The stems arch over and hug the ground and the plant is well-suited for banks and rockeries. The leaves, which are small, wedge-shape and gray-green, assume brilliant tints and are annually shed in the autumn but in warmer climates they persist to the spring. It produces its flowers in clusters among the leaves and the berries are roundish, coral or salmon-red, somewhat translucent and borne in abundance. Much to my regret this Barberry, which I named for my wife, is not properly hardy in Massachusetts. Closely related but of taller growth are *B. Staphiana* and *B. subcaulata*, characterized by their small gray-green leaves, abundant spines and clustered semi-translucent fruits.

The group of Barberries with evergreen foliage is extensive but unfortunately none is properly hardy in the

(Continued on page 116)



Frigidaire Once Or Ice Every Day

The Frigidaire Frost Coil never melts.

It is colder than ice. Frigidaire operates automatically from ordinary home electric current and provides a constantly low, dry temperature that scientists agree is most efficient for the proper preservation of food.

In addition to providing better refrigeration without trouble, annoyance or inconvenience, Frigidaire makes sparkling cubes of clear, pure ice and delicious frozen deserts.

There is a type of Frigidaire for every home whether you wish to put it in your own refrigerator or buy a complete unit with Frigidaire mechanism and Frigidaire cabinet combined.

You have modernized your home in other respects, now give it modern, healthful refrigeration—with Frigidaire. Write for Booklet H & G 11.

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PRODUCT OF GENERAL MOTORS

Frigidaire

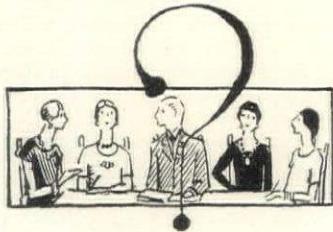
Economical Electric Refrigeration

\$260 and up
f. o. b. Dayton, Ohio

PRODUCT OF GENERAL MOTORS

Do you know that Vogue has a little daughter, aged five years, and named

Do you know that it was planned by a group of Vogue's own editors, and is now carried on by them



That in addition to fashion and patterns it discusses all the other interests of children



Games . . . parties . . .
toys . . . books . . .
music . . . art . . . gar-
dening . . . nursery dec-
orations . . . scientific feed-
ing . . . nurses' uniforms
. . . education



CHILDREN'S VOGUE



Each Issue Contains

Children's Fashions from Paris houses famed as creators for children; modes from New York specialty shops; designs by Vogue's own experts; fabrics especially suitable for children's clothes.

Patterns—eight pages of the famous Children's Vogue patterns appear in every issue—four of them in full colour. The standard of fine pattern making and design; easy to use.

Food—Children's Vogue announces a series of articles on food and food values by Edith Barber, one of the best known nutrition experts in the country. Menus and recipes are included.

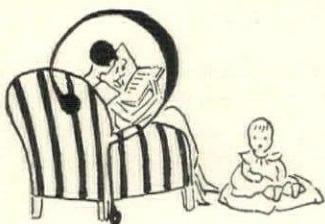
Music—a half dozen articles, beginning in the next issue, by such authorities as Mrs. Harriet Seymour, of the School of Re-Education; Miss Margaret Anderton, Associate Editor of *The Musician*, Virgil Thomson, of the Music Faculty at Harvard; George Gartland, Director of Music in the New York Public Schools.

Nature—a nature article in each issue. The first will be on Aquaria for Children, by Robert S. Lemmon, of House & Garden magazine; the second on Gardens for Children, by Richard Pratt, also of House & Garden.

Other Features: travel articles by Robert Mountsier; a children's party planned in each issue; a school forum for exchanging opinions between teachers and parents; decoration of nurseries and children's rooms; books for children; pictures and articles on art for children.

**Published every other month . . .
35 cents a copy . . . \$2 a year
SPECIAL OFFER, TWO YEARS FOR \$3**

That it is written to mothers, about their children's interests



That it is the only magazine of children's fashions in the world



SIGN . . . TEAR OFF . . . AND MAIL THE COUPON NOW

Children's Vogue, Greenwich, Conn.
Kindly enter my subscription to Children's Vogue. I enclose

- \$3 for two years.
 \$2 " one year.

Name

Street

City

State

*Even real boys
enjoy washing hands and
faces at this lavatory*



MOST folks, of all ages, prefer washing their hands in running water. The single concealed inlet of the Madbury lavatory provides a centered stream of water of any desired temperature.

A unique device permits automatic cleaning of the overflow drain. The large, square bowl has an anti-splash rim which protects one's garments and prevents slopping over.

As this lavatory is made of solid, white vitreous china, even to the last handle, there is no nickel work to require constant polishing.

You are invited to write for our booklet "Maddock Bathrooms." This booklet gives suggestions for placing different combinations of fixtures in spaces of various sizes and shapes.

The Madbury

Why
vitreous
china

A vitreous china lavatory has this great advantage—it does not require constant scouring to keep the bowl clean. This is because the surface is hard and glassy. Soil does not cling to it. It does not become roughened by use. It never cracks nor crazes. Even acids will not stain it.

THOMAS MADDOCK'S SONS COMPANY, Trenton, N.J.

MADDOCK
Bathroom Equipment

Your plumber knows the economy of quality fixtures

THE BEAUTY OF BARBERRIES

(Continued from page 114)

colder parts of America. The Californian climate is to their liking and a great many sorts grow splendidly in that state. A familiar hedge-plant on the Pacific slope is the South American *B. darwinii* with its spiny, dark glossy green, obovate, stalkless leaves. This Barberry is of dense habit, grows from six to twelve feet high, has red-brown shoots and drooping racemes of flowers and plum-colored fruits. It is in its greatest beauty in spring when laden with a profusion of golden blossoms but is also attractive in the fall when bearing a large crop of blue-black berries and occasionally a sprinkling of flowers. Another South American species suited to the south and regions west of the Rocky Mountains is *B. buxifolia*, with solitary, amber-yellow flowers and globose purple fruits. This is a bush up to twelve feet high of stiff habit and dark green leathery obovate to oblong leaves.

A HARDY EVERGREEN VARIETY

The hardiest of the evergreen Barberries is *B. julianae*, which makes a brave though scarcely successful fight against New England winters. It is a bush up to eight feet tall with rigid branches and tufted shining green leathery leaves, clustered yellow flowers and a bloomy black egg-shaped fruit. It was my good fortune to discover and introduce this plant into gardens in 1900 from central China. In England it was put in commerce under the erroneous name of *B. wallichiana* and later has been confused with the equally handsome but much less hardy *B. sargentiana*.

An unmistakable aristocrat is *B. verruculosa* with its warty shoots, glossy dark green Holly-like leaves, white on the under side. It is a low shrub from two to four feet high with overlapping branches and compact habit. On this account it is perfect for the rockery and for places where dwarf shrubs are needed. It is almost hardy in the Arnold Arboretum and is my favorite of the evergreen Barberries discovered and introduced by myself. A closely related species but easily distinguished by its perfectly smooth shoots is *B. candidula*, also from China and well worth a place in any garden where the climate is milder than in Massachusetts. Distinct in habit is *B. gagnepainii* with its clustered erect and arching stems and narrow dull green spiny foliage, clustered

flowers and blue-black egg-shaped fruit. It is very floriferous and thrives to perfection in California and in the British Isles.

On the Pacific Slope are growing many other fine evergreen Barberries including such as *B. sargentiana*, *B. lewisii*, *B. bergmanniae* and others, but this account may close with mention of *B. hakeoides*, remarkable for its profusion of blossoms. This is a Chilean species of rather ungainly habit, often twelve feet tall with stalked or sessile spiny leaves more or less rounded but very variable in size. The flowers are borne in dense rounded clusters along the previous season's branch and the fruit is blue-black. This plant is of course tender but is well suited to the climate of California and other warm states.

THE VARIOUS MAHONIAS

The group of pinnate-leaved Barberries known as Mahonia is an extensive one but only a few species are in general cultivation. All are evergreen and none too hardy. The best known and most useful is *M. aquifolium*, the Oregon Grape, whose lustrous burnished foliage and rich winter tints have won for it wide favoritism. Spreading rapidly by means of underground stems it soon makes a good ground cover. The stems grow from one to four feet tall and have terminal fascicles of attractive yellow flowers which are followed by bunches of bloomy black fruits. It does well far north as in and around Montreal where a good winter covering of snow prevails. Of equal hardiness is the dwarf *M. repens*, with gray-green foliage, similar flower and fruit which is also a good carpet and a useful plant for the rockery. More vigorous but less hardy are *M. japonica* and *M. bealii*, natives of the Orient with long thick leathery leaves, pale on the under side. Both are well suited to the climate of California and other warm regions.

A curious but very hardy evergreen is *Mahoberberis nieubertii*, a hybrid between the Oregon Grape and the Common Barberry. It is an upright growing shrub from three to six feet tall with rigid branches, full green spiny leaves of variable shape. It seldom flowers, much less fruits, being decidedly mulish in these matters, but for its extreme hardiness this hybrid is a decidedly useful plant for northern gardens.



The Culmination of Radio

No Outside Aerial
No Loop
No Storage Battery
No "B" Batteries
No Battery Charger

MU-RAD RECEIVER
The New MA-20

The Last Word in Radio

**NO Antenna or Loop
A or B Batteries
Battery Charger**

JUST plug into the nearest lighting socket, and the *Mu-Rad MA-20* will entertain you without any further attention.

Cumbersome aerials and loops, mussy storage batteries, troublesome "B" Batteries, and the battery chargers—made obsolete by this "culmination of radio".

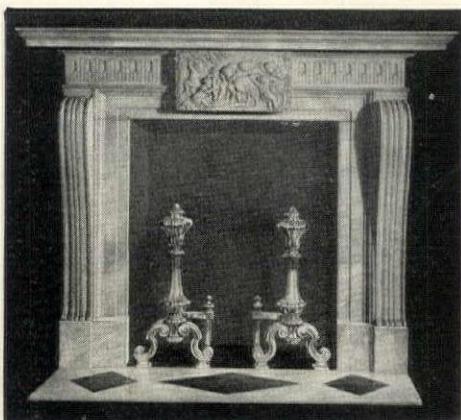
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812 Fifth Ave.
Asbury Park, N. J.

MU-RAD LABORATORIES, Inc.

W.M.H.JACKSON COMPANY

ESTABLISHED 1827



Antique English Mantel. A very unusual statuary marble mantel of the Georgian Period taken from a house in Grafton Street, London. The heavy moulded trusses are of the Kent School of about 1750. Price \$850.

A superb collection of antiques and fine replicas in mantels, fire-sets, fenders and andirons is to be found at the Wm. H. Jackson Company's show-rooms in New York and Chicago. Since 1827 this Company has specialized in collecting, creating and reproducing distinctive, unusual and artistic designs in fireplaces and accessories. Through their representatives abroad, there continually comes to them authentic pieces, many of which are the work of early French, English and Italian designers.

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LIGHTOLIER

LIGHTOLIER designs and manufactures its fixtures to conform to the highest accepted ideals of beauty. In addition to true artistry of design, they have the advantage of being so reasonably priced that you really cannot afford to overlook them when making your selection.

Send for Master Portfolio
R. of charming rooms
and name of your
nearest dealer.

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**Building A Home?
Then Send For This Booklet**

IT'S about heating. Not 'any one system, but facts you want to know about all of them, before deciding on any of them. The facts are told in letters—real letters—that were written by six different people, to two who were planning to build.

Intensely interesting.
Sometimes amusing.
Always help-filled.
Printed in four colors.
Attractively bound and beautifully printed.
Send for it.
Use the coupon.

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Irvington, New York
Representatives in all Canadian Office
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Burnham Boiler Corp., Irvington, N.Y.
Send me your booklet on heating called
"Letters To and Fro".
Name
Address
H. & G.

MCKINNEY HINGES

McKinney Hinges harmonize with other builders' hardware including the nationally advertised products of CORBIN, RUSSELL & ERWIN, SARGENT, YALE.



A door is but half protected when the lock has been selected

Hinges do more work for their size and cost than any other building material. To put them in place requires the services of the more skillful carpenter. Replacement is costly. But a home need be equipped with hardware but once in its life if it is well hinged at the start with McKinney Hinges.

When building, make your hardware selection early. It safeguards you against over-spending. If temporary substitutions become necessary, you can take care of them on less lasting fixtures.

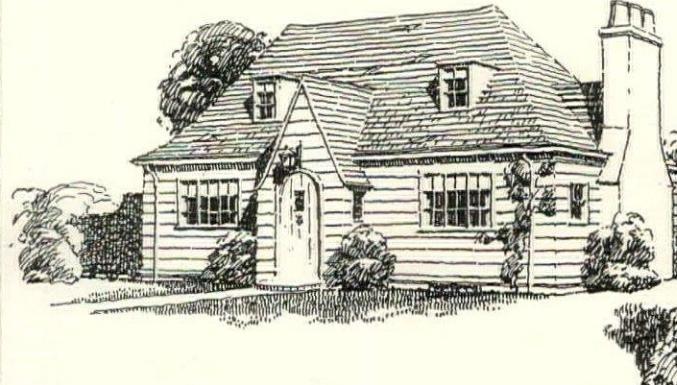
At the builders' hardware store you can select any type of lock, knowing that the finish and design can be matched perfectly with McKinney Hinges.

You can obtain McKinney Hinge quality in sundry hardware articles, including that for garage doors.

A Gift for Those About to Build

McKinney Forethought Plans consist of little cutouts of your furniture made in proportion to your plans. With them you can arrange and rearrange your furniture right on the blue prints until you are certain the wall space, fixtures, doors and base plugs are as you want them. To aid in your home building McKinney will gladly send a set of these plans. Just write.

MCKINNEY MANUFACTURING CO.
PITTSBURGH, PA.



COLORS TO PAINT THE HOUSE

(Continued from page 64)

brought to the right shade for the front.

In the following specifications, it is of course, impossible to convey the true concept of all the shades indicated by

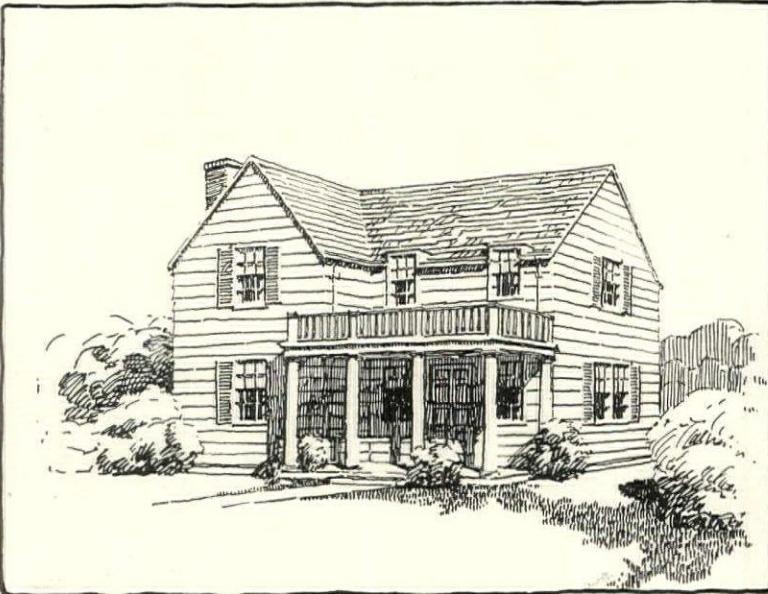
COTTAGE TYPE

Body	Silver Gray	Body	Ivory
Roof	Red-Brown	Roof	Red Brown
Cornice, Corner Boards, Etc.	Ivory	Cornice, Corner Boards, Etc.	Ivory
Sash	Ivory	Sash	Ivory
Front Door	Ivory	Front Door	Ivory
Body	White	Body	Colonial Yellow
Roof	Moss Green	Roof	Moss Green
Cornice, Corner Boards, Etc.	White	Cornice, Corner Boards, Etc.	Ivory
Sash	White	Sash	Bottle Green
Blinds	Moss Green	Front Door	Ivory

THE MONGREL AMERICAN

Body	Colonial Yellow	Body	Ivory
Cornice, Corner Boards, Etc.		Cornice, Corner Boards, Etc.	Ivory
	Ivory	Roof	Silver Gray
Roof	Weathered Brown	Other Shingled Surfaces	Sage Green
Other Shingled Surfaces	Ivy Green	Sash	Sage Green
Sash	Bottle Green	Body	Ivory
Body	Pearl Gray	Cornice, Corner Boards, Etc.	Rich Dark Brown
Cornice, Corner Boards, Etc.		Roof	Weathered Brown
	White	Other Shingled Surfaces	Ivy Green
Roof	Weathered Brown	Sash	Bottle Green
Other Shingled Surfaces	Moss Green		
Sash	Black		

(Continued on page 122)





Dean's
Helps You Say Goodbye

There is no better way of saying Godspeed to a departing friend than by sending a Bon Voyage Box from Dean's. The selection and packing of the cakes, candies and other delicacies is made an art at Dean's, and the prices are as varied as the good things in the boxes.

*Send for our Bon Voyage Box Booklet describing the 38 styles—
\$2.75 to \$40. You merely select your box. We attend to everything.*

628 FIFTH AVENUE, NEW YORK • Established in 1839



ROOKWOOD

aims at a constant freshness while maintaining the traditions of an art as old as time. Interesting exhibits of our work may be seen at the exclusive Rookwood agency in your locality. We invite your inquiries.

THE ROOKWOOD POTTERY COMPANY
Rookwood Place, Cincinnati, Ohio



In this striking dining suite, Ottawa has skillfully adapted the spirit of Spanish design to the requirements of the modern home. The soft, lustrous finish in French or dark walnut, fine carved decorations and onlays of walnut burl typify the distinguished design and careful workmanship which characterize every Ottawa production. Ask to see this moderately priced suite at your dealer's.

OTTAWA FURNITURE COMPANY
Holland, Michigan

Wholesale Display, Manufacturer's Bldg.
Grand Rapids, Michigan
American Furniture Mart, Chicago



Write for this attractive booklet describing several interesting Ottawa productions. Kindly mention your dealer's name.



**OTTAWA Dining
FURNITURE**

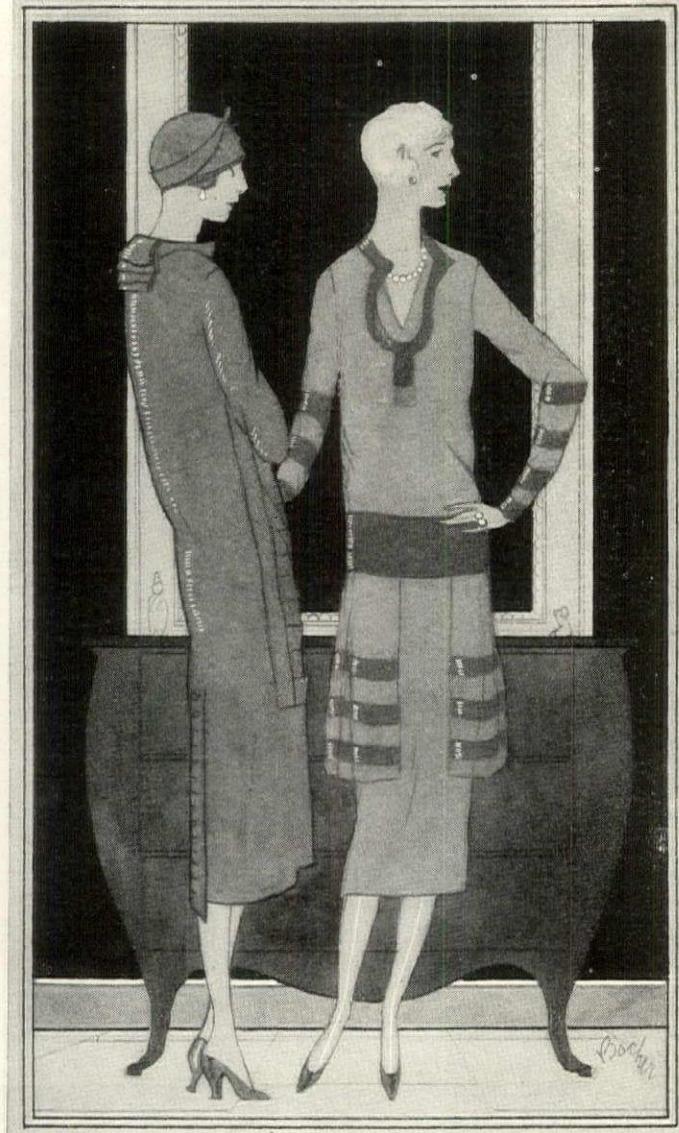


REPRODUCTION OF AN OLD COLONIAL HALL LANTERN IN BRASS FINISH.

CASSIDY COMPANY INCORPORATED

Designers and Manufacturers of Lighting Fixtures
Since 1867

101 PARK AVENUE AT FORTIETH STREET
NEW YORK CITY



Vogue Shows You What AND HOW

VERY few smart dresses look smart unless they're worn by smart women, smartly. Vogue shows you not only what to wear, but how to wear it, and with what accessories. Every sketch can be studied through a fashion microscope, because every detail of it is correct.

If you saw January 1st Vogue, you saw the sketch to the left reproduced editorially. You were told that the material of the coat was fine brown ottoman—of the dress, brown georgette with ottoman bands. The chic of the short tunic was pointed out, the reproducing of the four flat bows three times on coat and dress. There wasn't room to go into detail much further. But—you can do it for yourself.

Notice the length of the skirt, and that the coat just covers it. Notice the width of the band at the low waist-line—the cut of the collar and that it is left free to turn back—the fact that the tucks on the coat are placed upward, not downward—that the back has the opening seen on so many new coats—that the little felt hat just matches—that the shoes are pumps. The beads would be gold, or amber, or large pearls with earrings to accord. The two rings are as simple as they are important. Notice the coiffure, the pose. . . . *Every one of these things contributes to the effect. . . .*

Are you giving your fashion sense the advantage of examining such sketches every two weeks—are you looking right into Paris for yourself? If not—use the coupon to enroll for the course!

2 years of Vogue \$7

a special offer

good for a limited time only

regular price \$5 a year

Vogue will save you money on every one of its numbers—perhaps many times the subscription price. Not the kind of saving that means doing without things you like, but the kind that eliminates buying mistakes. They're the biggest extravagance—aren't they? And they don't bring you a second's pleasure—do they? So—this year economize—and enjoy it.

Sign---tear off---and mail the coupon now

Vogue, Greenwich, Conn.

- Enclosed find \$7.00, for which send me TWO YEARS (48 issues) of Vogue. (OR)
 Enclosed find \$5.00 for ONE YEAR (24 issues) of Vogue.

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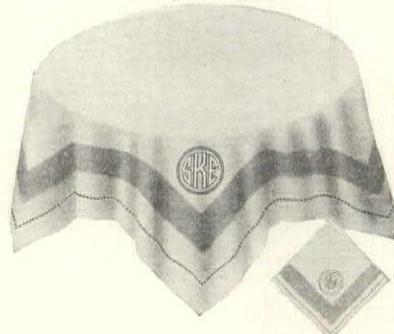
Bought singly, at 35 cents a copy, these 48 issues would cost you \$16.80. Through this special offer you get them for \$7. A saving of \$9.80 or 21c a copy



ESTABLISHED 1766

JANUARY SALE Of Household Linens

Entire Stock reduced 10% to 33% below regular prices



All Purchases delivered free to any part of the U.S.A.

J38. Pure Linen Double Damask Satin Band Hemstitched Tea Cloths and Napkins with hand embroidered monogram.

	Usual Price	Sale Price	Tea Napkins	Usual Price	Sale Price
36 x 36 ins.	\$7.75	\$5.80 ea.	14 x 14 ins.	\$25.00	\$17.75 Doz.
45 x 45 ins.	10.75	8.50 ea.	18 x 18 ins.	31.50	24.50 Doz.
54 x 54 ins.	13.75	10.80 ea.			

These Tea Cloths and Napkins can be furnished without monograms. Prices on request.

Sale Catalogue illustrating Household Linens and Handkerchiefs now ready. Please write for List B.

WALPOLE BROTHERS INC.

Fifth Avenue at 35th Street, New York
587 Boylston St. (Copley Sq.), Boston, Mass.
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LOUIS XV LOVE SEAT

of Particularly Pleasing Lines, in Walnut. The proportions of this Seat Make it Adaptable for Use in Practically Any Room.

A wealth of hand-made reproductions are on display at our showrooms, where you can make retail purchases charged to your decorator or dealer.

Correspondence is Invited

SOMMA SHOPS

Designers and Makers of Furniture Reproductions
383 MADISON AVENUE NEW YORK
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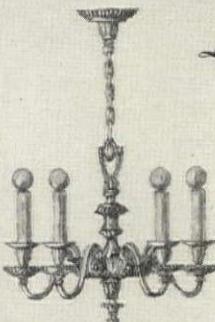


Typical of Luminier good taste is this Georgian bracket—one of an infinite variety on display at Luminier.

Light Cost

Moderate first cost and equally moderate last cost, plus scientific and beautiful lighting results—this is what Luminier gives. Luminier designs coincide with modern interior decorating ideas; and Luminier quality is fully equal to what costs far more elsewhere. Let our illuminating specialists help you select the right light for the right place.

Luminier Advisory Service
is worth a fee—is free.
Write for catalog today.



One of the very many fine Luminiers suitable for dining room illumination. Hundreds on display in our showroom.

LUMINIER
Company Inc.

577 Broadway, New York
Bet. Houston and Prince Streets



Savo Moistener, in three sizes; 12½" x 9", \$2.50;
8" x 14", \$2.50; 12½" x
14", \$3.

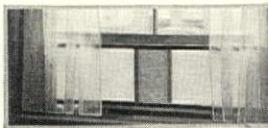
For your health's sake

THE DRY AIR of heated rooms seeks moisture everywhere—in the glue in the furniture, in sensitive human membranes. It cracks woodwork, kills plants and makes you subject to colds.

So fill the Savo Moistener with water. Hang it on the back of the radiator—out of sight. The heated air absorbs the moisture it needs and becomes fit to breathe.

That's half. The rest is fresh air. This Window Ventilator lets it in—without draft or dust, snow or rain.

Window Ventilator, washable cotton, black enameled frame. Four sizes, opened full: 11" x 30" 75c; 11" x 47" 90c; 16" x 39" \$1.10; 16" x 47", \$1.20.



LEWIS & CONGER
45th Street & Sixth Avenue
“A Houseful of Housewares”

LEWIS & CONGER
45th St. & 6th Ave.
New York, N. Y.

Send me, collect: Savo
Moistener, size _____
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 Also free booklet,
“Modern Home Equipment.” Check
in front of items desired.

Name _____
Address _____

Why building with Redwood



Residence at Plainfield, N.J.
Redwood siding painted white



Residence at Des Moines, Ia.
Redwood Colonial siding painted white

*means building
for permanence*

THIS Redwood tree trunk was recently uncovered under the roots of an old spruce tree whose annular rings showed its age to be 600 years. But in spite of six centuries' burial in moist ground the Redwood was sound and free from decay or wormholes. It was sent to the mill and sawn into good lumber.

The same natural preservative which protected this fallen Redwood from decay, protects every bit of Redwood lumber and millwork. "Technical Note No. 173", recently issued by the U. S. Forest Products Laboratory, a government institution, assigns Redwood the highest total rating of any commercial wood on durability, lack of shrinkage, strength as a beam or post, ease of glueing, workability and ability to "stay put".

Grade for grade Redwood costs but little more than woods that cannot compare with it for permanence. It is therefore real economy to specify Redwood for exterior finish, siding, shingles, door, window and cellar frames, foundation timbers, mudsills, mouldings, lattice, pergolas, garden furniture and greenhouses.

Before you build, write for our "Redwood Homes Booklet" and for "Physical and Mechanical Properties of California Redwood in Comparison with Other Woods."

**PXL The Pacific Lumber Co.
Redwood**

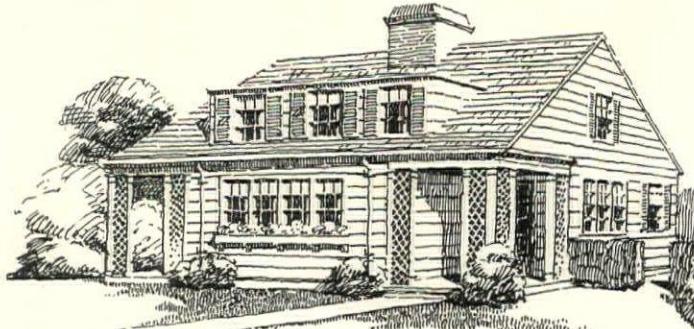
CHICAGO
3081 McCormick Bldg.
332 So. Michigan Ave.

NEW YORK CITY
923 Pershing Sq. Bldg.
100 East 42nd Street

SAN FRANCISCO
Robert Dollar Bldg.
311 California St.

LOS ANGELES
Central Building
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THE LARGEST MANUFACTURERS AND DISTRIBUTORS OF CALIFORNIA REDWOOD



COLORS TO PAINT THE HOUSE

(Continued from page 118)

BUNGALOW TYPE

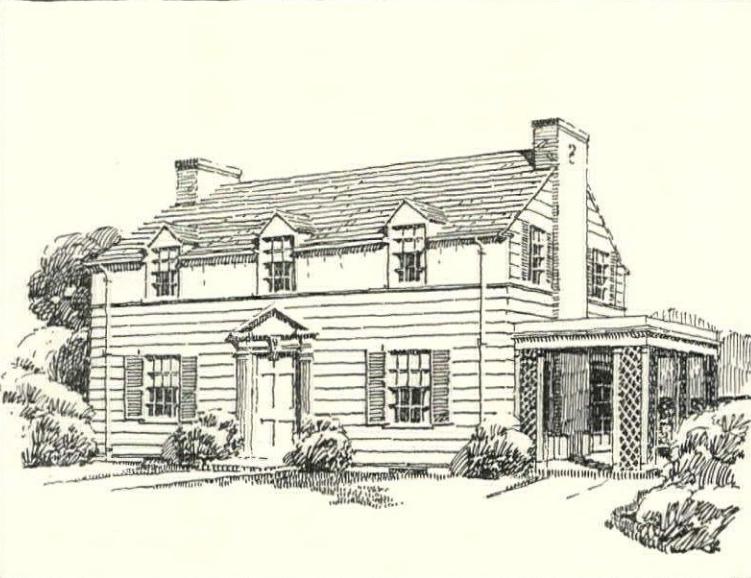
Body	Seal Brown	Body	Cream
Roof	Venetian Red	Roof	Red-Brown
Cornice, Corner Boards, Etc.		Cornice, Corner Boards, Etc.	
.....	White (or Ivory)	Cream
Sash	White (or Ivory)	Sash	Cream
Body	Ivory	Body	Silver Gray
Roof	Weathered Brown	Roof	Moss Green
Cornice, Corner Boards, Etc.		Cornice, Corner Boards, Etc.	
.....	Sage Green	Silver Gray
Sash	Sage Green	Sash	Moss Green

THE COLONIAL TYPE

Body	Colonial Yellow	Sash	Bottle Green
Roof	Red-Brown	Front Door	Brown Oak
Cornice, Corner Boards, Etc.	White	Body	White
Sash	White	Roof	Weathered Brown
Front Door	White Enamel	Cornice, Corner Boards, Etc.	White
Body	Colonial Yellow	Sash	White
Roof	Moss Green	Blinds	Moss Green
Cornice, Corner Boards, Etc.	Ivory	Front Door	White

The colors suggested for roofing will, of course, apply whether the roof is of cedar shingle or the various types of composition and asbestos roofing now coming into extensive use. The beautiful mottled and vari-toned

effects now available will be appropriate where the key color is as indicated in these suggestions. Where natural slate roofs are used, there is, of course, no alternative as to roof color.



Take no chances
with slippery floors



Wax your floors with SLIPRUF!

Applied like any wax SLIPRUF provides lustre plus safety.

Dad won't take a header. The old folks and the children will not walk in constant danger of serious accidents.

Rugs will stay where they are placed.

SLIPRUF goes on easily and gives a deep, rich, long wearing polish not marred by sliding and scuffing.

And the surface will be as safe as if left plain.

Better be safe than sorry. Avoid slippery oils and waxes—use SLIPRUF. A four pound can will finish a large house. Sent prepaid on receipt of \$5, check or money order. Your money back if any question of satisfaction.

SLIPRUF WAX COMPANY
Mahwah
New Jersey



Send for this Booklet of beautiful Clothes Closets

If you would like to learn how attractive and convenient a clothes closet can be, send for this book. It shows how to obtain double capacity in a delightful new kind of closet where clothing hangs in an orderly row on a nickelized fixture you can pull out into the room for inspection and selection. Learn how you can enjoy this convenience at little cost by installing Knape & Vogt fixtures. Just return the coupon.

KNAPE & VOGT
Manufacturing Company
Grand Rapids Michigan

Please send me your free booklet, Beautiful Clothes Closets.

Name _____
Address _____
City _____

A New Hendryx Cage
Entirely of Pyralin

It is made in a variety of colors and presents a novel and decorative effect in the sun parlor or breakfast room where contrast is desirable.

A folder, printed in color, will be mailed upon request.

Hendryx bird cages are made in over five hundred designs.

And always a Hendryx floor stand to match.

The Andrew B. Hendryx Company, New Haven, Conn.

HENDRYX BIRD CAGES
Since 1869

Kernerator-equipped
Caleb E. Johnson residence,
Architect Fitzhugh Scott.

Your New Home
Need Never Have Garbage!

BUILD the Kernerator into your new home and waste-disposal becomes your easiest task. All waste—garbage, sweepings, broken glassware, papers and other forms of trash—is disposed of as rapidly as it accumulates, and without leaving the kitchen!

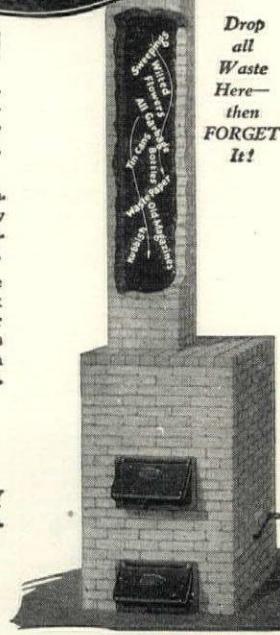
For the price of a good radio set (and without a cent of up-keep afterward) you eliminate forever those countless daily trips to rubbish pile and garbage can. You gain immeasurable convenience and a new neatness of home and yard.

As the picture shows, all waste is merely dropped into the Kernerator handy hopper door. Falling to the brick combustion chamber in the basement, it is air-dried for occasional lighting. Everything is burned but tin cans and the like, which are flame-sterilized for removal with the ashes. The waste itself is all the fuel required.

The Kernerator must be BUILT IN THE CHIMNEY, hence it cannot be installed in existing buildings! Consult your architect—he knows and will recommend the Kernerator. Or write—

KERNER INCINERATOR COMPANY
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KERNERATOR
Built in the Chimney
Reg. U. S. Patent Office



Drop
all
Waste
Here—
then
FORGET
It!



Out of This Plan Book You'll Get the Big Idea for the Home You Hope to Build

Maybe the whole plan itself—there are a dozen perfect ones—or just what you're looking for in room arrangement—or how to keep cold air from leaking in around windows and doors.

Do you prefer white enamel—or dark rosewood—in wood-work? The answer is in this book, clearly explaining the advantages and "reason why" of

ARKANSAS SOFT PINE



Satin-like
Interior Woodwork

Whether you build anew or remodel, this book will be an invaluable friend, filled as it is, with the helpful counsel of an experienced architect, expert in residential design and decoration.

Just mail 50 cents, cash or stamps, with the coupon below, and the book is yours. Also, free on request, an interesting booklet on how to enamel and stain woodwork.

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174 Boyle Building, Little Rock, Arkansas

Please Send:

- "Not a House, But a Home"—50c enclosed.
 "The Vogue of Painted Woodwork"—Free.

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**There's New Enjoyment in Foods from the—
Zone of Kelvination**



Thick steaks that almost melt in your mouth; green salads so crisp they fall apart at the touch of a fork!

You have often wondered how these and other foods are so deliciously prepared and attractively served in the best hotels. There is no real secret about it. The foods you, yourself, buy will acquire the same delicious qualities under the influence of the Zone of Kelvination.

Kelvinator—the electric method of chilling refrigerators without ice—creates a condition in any refrigerator that affects foods in a remarkable way. It reduces the temperature to 10 degrees colder than when it is ice cooled, but does something more. It crystalizes the moisture out of the refrigerator, leaving the interior not only cold but dry. All moisture disappears. The air takes on a sharp, frosty "sting".

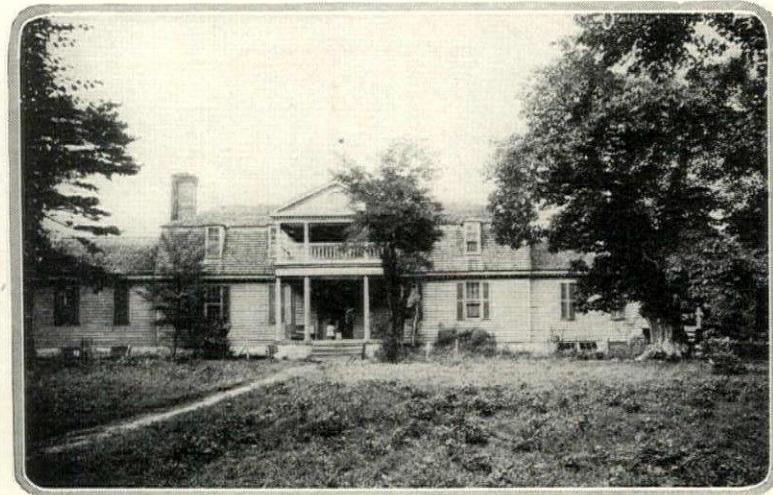
Under the influence of this kelvinated air, foods not only stay fresh and sweet for days, but actually improve. Meats mellow and acquire a delicious tenderness. Green vegetables "crisp up" and are better than when fresh from the garden. New frozen dainties can be prepared that will delight your family and amaze your guests.

You can install Kelvinator in your present refrigerator and be prepared for every occasion; family dinner or entertainment. You will escape forever the annoyances of ice delivery, as Kelvinator refrigerates for months or years without attention. You can keep a liberal supply of food on hand, and market only once a week. And with all these advantages, Kelvinator is an actual economy.

"*Kelvinator and Kelvinated Foods*"—an illustrated descriptive booklet, will be mailed gladly on request. (106)

KELVINATOR CORPORATION
2052 WEST FORT STREET DETROIT, MICHIGAN
Kelvinator of Can., Ltd., 12 Temperance St., Toronto

Kelvinator
The Oldest Domestic Electric Refrigeration



Tedington, on the James River, built about 1717, has a hipped, curb roof, a characteristic feature of the early Virginia houses

BUILDING IN WOOD

(Continued from page 68)

In the middle of the 19th century, while rapid changes in style were taking place in the appearance of the wooden house, the underlying structure, or timber frame, underwent a revolutionary change. The old braced or "full" frame which harked back to English half timber construction, with its members mortised, tongued and wood pinned,—gave way to what we call the "balloon" frame. In this newer method, the timber sizes were greatly reduced, the mortising and tonguing omitted, and all put together with nails and bolts. The old full frame depended to considerable extent upon the sizes and the quality of its timbers, and when well done, could hardly be bettered, but with the decreasing timber supply, with increasing labor costs, the modern balloon frame came in, and in reality makes a more scientific and structural use of the timber sections than does the earlier tongued and pinned frame.

Today, the usual run of frame houses have their walls worked out on the basis of members 4" deep, though in the better class of work, the studs are increased 6", giving thicker walls and the additional space for trimming of openings. The practice of using 6"

studs might well become more general, as it does not mean a very great additional expense.

If it is decided to build entirely of wood, there is a great range of materials to choose from—too great a range to discuss in detail within the scope of this article.

In choosing woods, their use must be kept well in mind. For framing, strength is required, and an absence of dry rotting tendencies. For clapboards there must be durability with exposure, and no curling inclinations, or resin streaks to drip in the sun. For trimming, the wood should take the molding knives cleanly, and then should last in the weather, and stay put when nailed in place.

We are told by our lumbering interests that we still have well nigh unlimited supplies of timber. Reports from our forestry experts say otherwise, however, and one has to feel that the employment of wood for framing, and for exterior wall covering must become more and more limited. It seems likely that in several decades, the wooden house will have become something of a luxury, and the use of wood in building will be confined to trimming and to finishing.



Tuckahoe, on the James, is one of our most important early frame houses. Like many another in the neighborhood it is unpretentious without and richly carved and paneled within



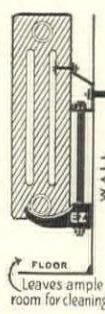
DON'T BREAK YOUR BACK

IN your new home use LEG-LESS radiators, supported from the wall by E-Z RADIA-TOR HANGERS. This affords ample room underneath for easy, thorough cleaning with brush or electric cleaner, without stooping.

No dust to streak walls above radiators. No hot legs to melt dust into floor finish. Cleanliness made easy!

E-Z HANGERS are making leg radiators obsolete. Invisible when installed, inexpensive. See your architect. Write for beautiful brochure showing home installations.

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An investment in assurance . . . providing a discreet reminder for the sophisticated, a ready help for the humble, and a kindly sermon on good manners to gay and headlong youth. Covering completely the present-day customs of social intercourse, with the rules for their correct observance.

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The WAY TO HOME COMFORT

THE comfort of your new home will depend greatly upon the material used for its walls. Before building you should investigate Natco Hollow Building Tile and assure yourself a warm house in winter and a cool one in summer.

Free Home Book

Our Free Home Book "Natco Homes" containing many pictures of attractive homes and garages will be mailed free at your request. Write for it today.

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1424 FULTON BUILDING - PITTSBURGH, PA.

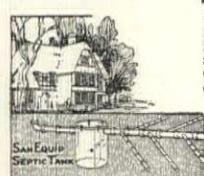
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HOLLOW BUILDING TILE

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Let our experts suggest just the ideal sanitary service suited for your suburban home, school or factory.

Protect health and increase property values with this quality equipment—

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Self-drain Toilets without water or sewers, improved design, nothing else like it.

Septic Tanks for water toilets without sewers. Follows U. S. Public Health Service design. Thousands in use. No failures. Fully guaranteed. Easily installed. Before you order any system, write for San Equip folders and free plan sheets. Give us the brief details of your problems and we will do the rest. No obligation on your part.

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Gives you 150 feet of revolving clothes line—and the entire wash hung up to dry from one position. The Hill Champion Clothes Dryer is the most efficient and convenient means of drying clothes. Just the correct height for easy hanging. No stretching or exertion. Each piece in the wash gets the sunlight as it sways in the breeze. An all year round helper that more than pays for itself in a short time. Removable when not in use.

Our booklet G gives full information—send for it today.



* **HILL CLOTHES DRYER COMPANY**
52 Central St., Worcester, Mass.



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Inexpensive as to first cost and positively in a class of its own as to low upkeep cost, KEYSTONE Siding, made of selected Western Red Cedar from British Columbia forests and fashioned into "Side-walls of Enduring Beauty", should be given serious consideration always before home building specifications are written.

"Sidewalls of Enduring Beauty"

No available wood surpasses Western Red Cedar in durability. Being wholly free from resin or pitch it is rot-resistant to an exceptional degree. It is light and easily worked. Its grain is such that it does not warp or curl. It takes paint well and economically.

KEYSTONE Siding is made of selected Western Red Cedar where it grows best. Every piece is inspected and must be perfect. Every bundle is labelled.

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KEYSTONE
RED CEDAR SIDING

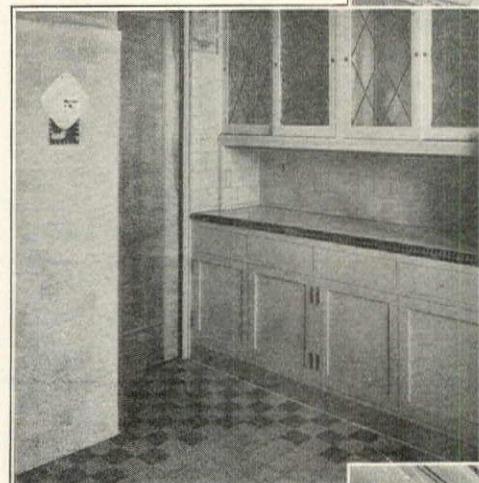
Associated Tile Manufacturers

315 Seventh Avenue Beaver Falls, Pa.

THIS association is prepared to tender a helpful service to every home builder.

There are many places in your home where beautiful Tiles may be used with telling effect and to advantage. Aside from the bathroom, where clean Tiles for a long time have been the accepted finish, there is the kitchen where Tiles add attractiveness and lighten housework. There is also the hall, the dining room, the sun parlor, the porch, and the garden; each of these is rendered more serviceable and more attractive by appropriate Tiles.

With the rapidly increasing use of color in interior decoration and American architecture generally, there is no material which supplies the aesthetic and practical elements so completely and so satisfactorily as Tiles.



Tiles in the garden furnish most delightful and unique touches of color and refinement. Walks, arbors, gateways, walls, statues, fountains and pools offer unrestricted opportunities for distinctive Tile effects.

IN order to secure the full advantage, the greatest durability and the beauty which go with Tiled surfaces, insist on Tiles made by one of the member companies of this association.

The illustrated brochure, "Beautiful Tiles," describes the popular uses, sizes and shapes of the many kinds. Write for your copy—it will answer most of your questions about Tiles.

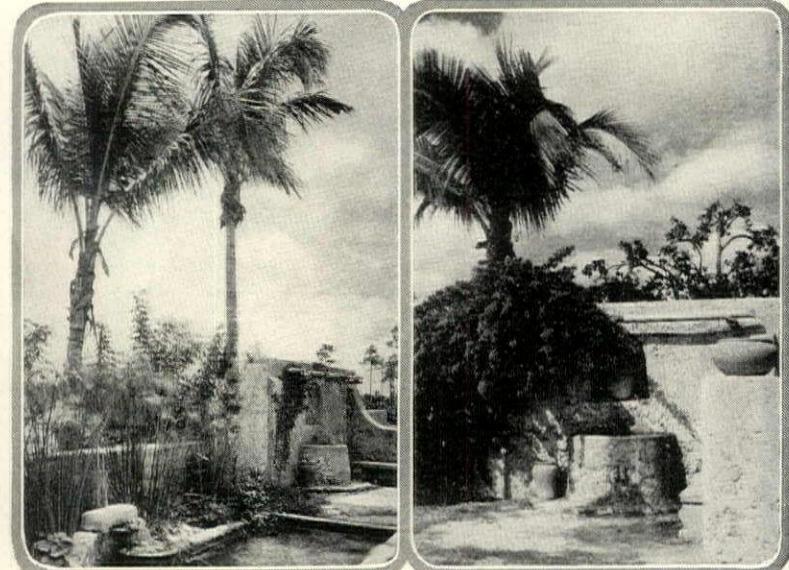
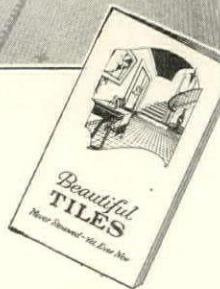
To see a Tiled kitchen is to cover it; to have one is to appreciate fully its scrupulous neatness and its practical efficiency; its lasting newness delights the modern housewife.

Producers of Beautiful Tiles:

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Newport, Ky.
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TILING CO., Ltd.
Zanesville, O.
- BEAVER FALLS ART TILE CO.
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- CAMBRIDGE TILE MFG. CO.
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- GRUEBY FAIENCE & TILE CO.
Perth Amboy, N. J.
- MATAWAN TILE CO.
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- NATIONAL TILE CO.
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- OLD BRIDGE ENAMELED BRICK
& TILE CO.
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- PERTH AMBOY TILE WORKS
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- UNITED STATES ENCAUSTIC
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- WHEELING TILE CO.
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A house may have every other improvement, but unless it has the Tiled bath it is incomplete. The Tiled bath looks its cleanliness.



This view of the Ponce de Leon plaza in Coral Gables shows two of the transplanted cocoanut palms

Purple Bougainvillea clusters gorgeously over the fountain of the plaza. Denman Fink, architect

SPAIN IN FLORIDA

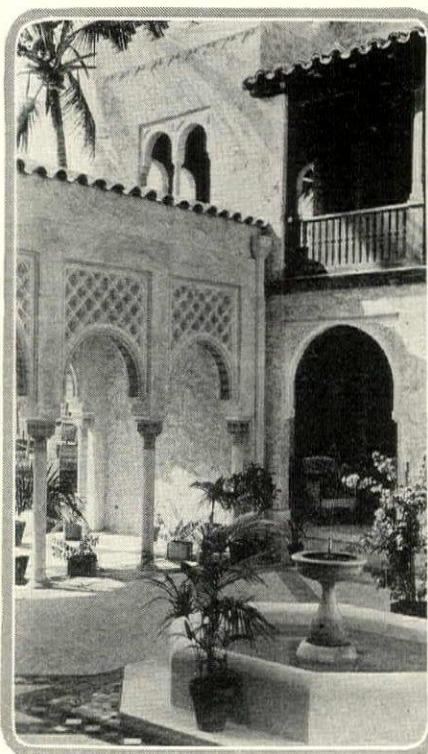
VIRGINIA ROBIE

EVER since the days of the great builders of the Renaissance, architects have cherished the ideal of a city designed under one master impulse; many minds working together to create a unified whole. Our big expositions have embodied this dream, but expositions are ephemeral, and planned for exhibition purposes only. Undoubtedly they have contributed to the broadening of mental horizons. The Columbia Exposition in Chicago gave us a sense of structural beauty—Greek feeling expressed in orderly simplicity. The Louisiana Purchase Exposition in St. Louis mingled French and Classic, and, while something was lost in restraint, something was undoubtedly gained in new uses of stucco and new

schemes of lighting. The Pan-American in Buffalo blended Latin motifs, more or less successfully, with an introduction of color. The Panama-Pacific in San Francisco, benefiting by the lessons of the past, carried form and color to a high degree of beauty. Here we saw landscape gardening in the large, skillfully related to site, design and climate. Yet the dream city was still a mirage.

At last, near Miami, Florida, the dream has become a reality; not merely a group of houses, not a colony, not a community, but an entire suburb, almost a city, numbering hundreds of buildings, conceived, has been designed and erected under one master

(Continued on page 130)



The patio of the inn might easily be an architectural bit from Spain or Morocco



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Attractive Everlasbestos

Floors

You'll be delighted with this hand-some long-wearing floor. The quality of its ingredients and colors, the care of preparation give Everlasbestos its superiority.

The entire floor is one smooth seamless surface, easy to keep clean and shining. A wonderful floor for kitchen, bathroom, sun-porch, or nursery.

Widely used in Stores, Offices, Schools, Churches, Factories and Public Buildings. Resists the hardest wear.

Exclusive Everlasbestos method explained in Manual of Instructions for laying makes sure of a perfect floor. Everlasbestos is the highest quality composition. Be sure to use it. Ask your architect.

Write today for interesting illustrated booklet and sample. Address Everlasbestos Flooring Co., Dept. H, 95 North Street, Rochester, N. Y.



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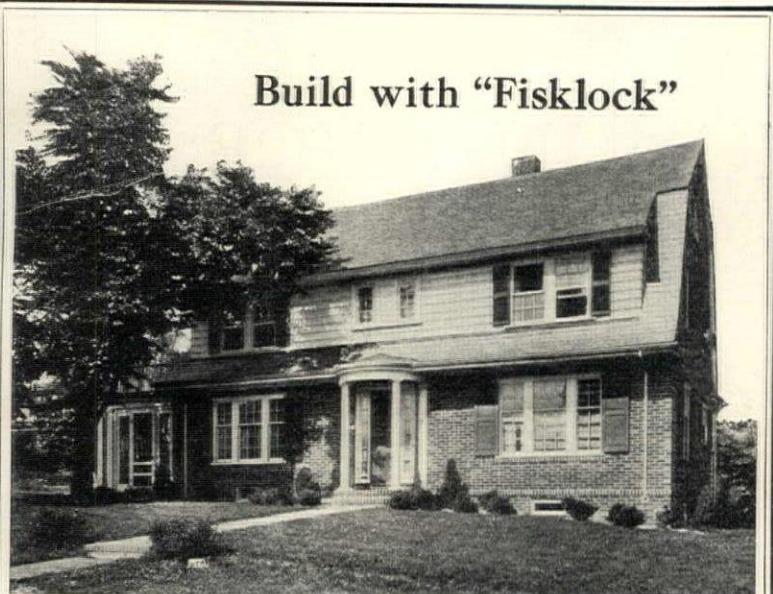
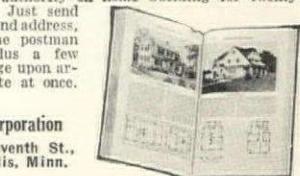
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FREE Right now a special offer is being made. With this De Luxe Plan Book you receive a year's subscription to Keith's Magazine, the recognized authority on home building for twenty years. Just send your name and address, I pay the postman \$3 plus a few cents postage upon arrival. Write at once.

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Build with "Fisklock"

and save money

"Fisklock", the two-in-one brick, means low building cost. It gives comfort and economy in the finished home because it is cool in summer, warm in winter and makes a building easy to heat. Finally it means low-upkeep—no painting—no repairing—low insurance. BUILD WITH "FISKLOCK".



The Two-in-one Brick

FISKE & COMPANY INCORPORATED

NEW YORK BOSTON WATSONTOWN, PA.

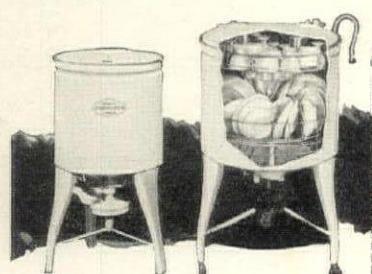
Pride In Your Kitchen—

The WALKER Dishwasher-Sink is of heavy enamelled ware—the equal of quality ware in your bath-room. It not only gives your kitchen new importance but saves space and drives away the drudgery of dishwashing. Approved installation for high-grade apartments as well as for individual homes.

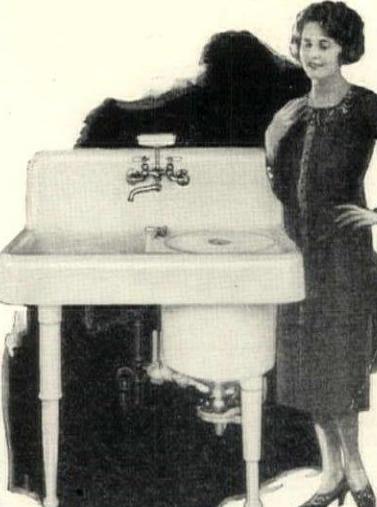
With the WALKER you have a real Dishwasher in sink at little extra cost. Let us send you literature that describes this sink and also the portable and other models of the famous WALKER Dishwasher, approved by Good Housekeeping Institute and thousands of users.

Use the coupon below; indicate your interest in sink or portable type and give us the name of your plumber, electrical dealer or department store. Address Walker Dishwasher Corp., 334 Walton St., Syracuse, N. Y.

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Now she knows it is safe to leave them—

Her precious children—what if something should happen to them while she was out for the afternoon?

So often she had told herself her fears were groundless. And yet—the furnace. What if the maid should forget to check the fire? Or perhaps it might go out entirely. How relieved she was each time she came home to find everything was all right.

And yet—the next time? Always there was that haunting fear to spoil her pleasure.

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Now she knows it is safe to leave them. For the dependable Minneapolis Heat Regulator never forgets to watch the fire. It automatically controls dampers and drafts; keeps the temperature uniform. The dangers from an overheated furnace are avoided. Rooms are never too hot or too cold—just right for comfort and health. No worries about heat regulation. Less work.

The MINNEAPOLIS HEAT REGULATOR

"The Heart of the Heating Plant"

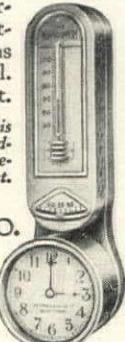
The remarkable thing about it is this: It might be classed as a luxury, considering the comfort and convenience it brings; yet it actually **saves money** for those who enjoy its benefits. This is fully explained in the interesting booklet, "The Proper Operation of the Home Heating Plant," which contains simple rules for saving fuel. Mailed free on request.

Dependable automatic control is a necessity on oil burners. Leading makers furnish the Minneapolis as standard equipment.

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ROYAL

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Everything in Royal is smart. Everything is buyable. Everything is priced. Everything is made up by leading American manufacturers and stocked by leading American stores. Its aim is to enable you to go to your favourite store and buy whatever Royal shows—or Royal will tell you where in your vicinity you can get it.

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A unique feature of Royal is the attention it bestows upon that essence of the modern mode, the ensemble costume. Every month Royal shows two complete outfits for one of the many varying types of women: suit or dress, coat, shoes, hat, fur, down to the smallest accessories, all of which match in colour or in design, and which in combination impart to the wearer the inimitable effect of chic.

VOGUE-ROYAL PATTERNS

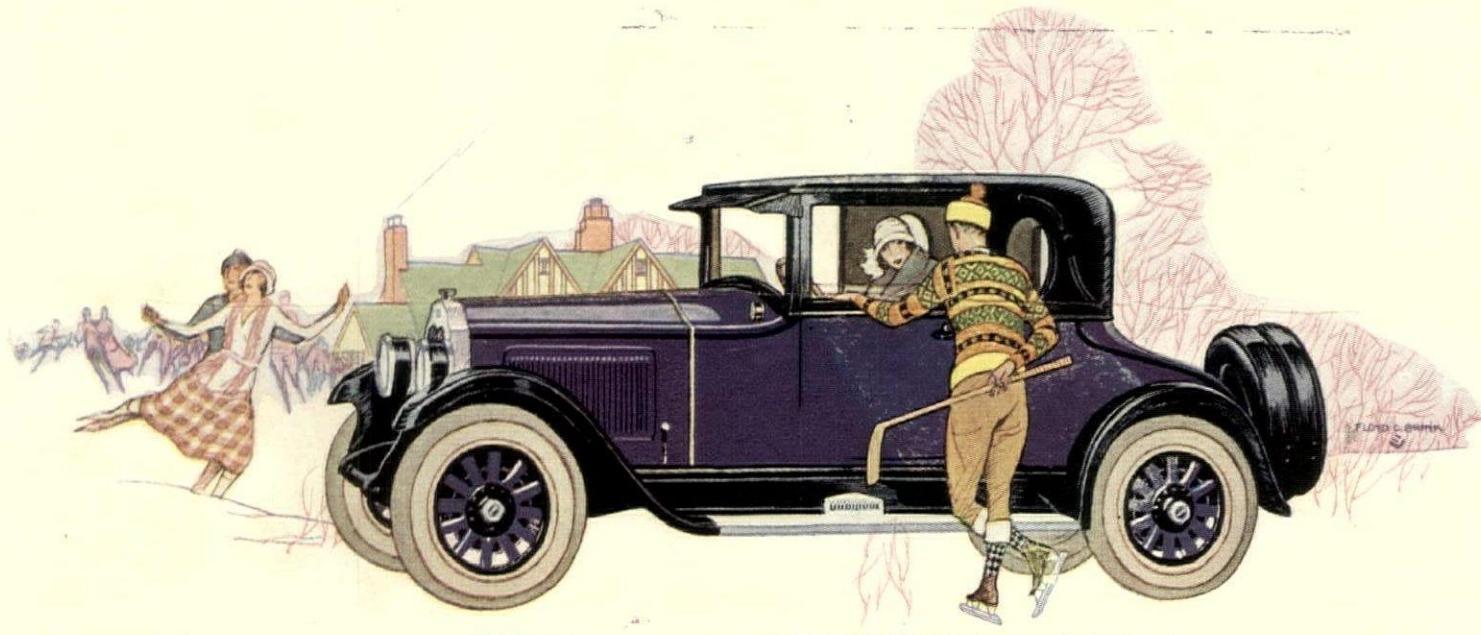
For the practical women who make or supervise the making of their own clothes, Royal shows in each issue a certain number of original Vogue-Royal designs for which patterns can be bought at 40 cents, 65 cents, and \$1. These patterns are exclusive, because only a limited number of each are sold in each locality.

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Inside the tight comfort of a Buick Coupe, you are ready for the worst in the way of weather. No draughts, no cold spots. Even the windshield, the new Fisher VV one-piece, ventilating vision type, is held firmly in padded grooves.

For the worst days of winter—for any day—to make perfect days more perfect still, there is nothing quite like a Buick.

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Division of General Motors Corporation

Pioneer-Builders of Branches in All Principal
Valve-in-Head Motor Cars Cities—Dealers Everywhere

Canadian Factory, McLAUGHLIN-BUICK, Oshawa, Ont.



WHEN BETTER AUTOMOBILES ARE BUILT
BUICK WILL BUILD THEM



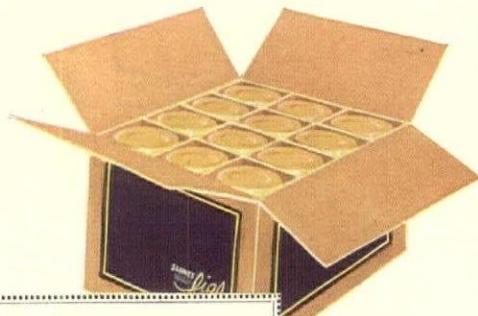
figs

to be served with
reverence like a
fine old wine —

try them

Order us to send you
this dozen-jar packet

Ask for the Slone purple packet of 1 dozen 13 ounce jars, at shops where fancy foods are sold. If you can't find them, merely send us your check for \$6.50 and we will see that your grocer gets and delivers them to you, or we will ship you the packet direct, charges prepaid.



GULF COAST FIG ORCHARDS CORP.,
Carter Building, Houston, Texas.

Gentlemen: You may send me, either direct, transportation prepaid, or to be delivered through grocer whose name appears below, one of your purple packets of one dozen 13 ounce jars of Slone's Whole, Preserved, Skinless Figs, for which my check for \$6.50 is enclosed.

Name _____
Street _____ City _____ State _____
Grocer's name _____

No rare vintage, however prized or costly, is worthy of more ceremony in its service, than a jar of Slone's Figs.

Beautiful and alluring as they are in the glass jar, they fairly scintillate when served in dainty crystal.

So large in size - so rich in the thick consistency of the syrup - that two or three to each portion is abundant.

Each fig is perfect; though the skin is entirely removed, the tender meat of the fruit is unbroken. Unlike figs from other climes, these are practically seedless. The choicest figs of the vast Gulf Coast Orchards crop are selected for this particular pack.

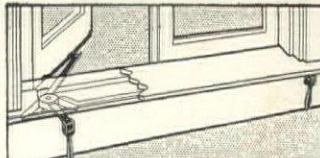
If you love the luscious, healthful qualities of figs, as you've known them before, you'll find a new luxury in these bearing Slone's label. Nothing finer produced in all the world.

For your convenience, packed in three sizes:
5 ounce [individual service size]; 13 ounce
[family size]; 19 ounce [large hostess size].

Formerly sold largely through exclusive clubs, hotels and on dining cars. Now you can get them at the more exclusive food shops.

GULF COAST FIG ORCHARDS CORP.
Carter Building

Houston, Texa



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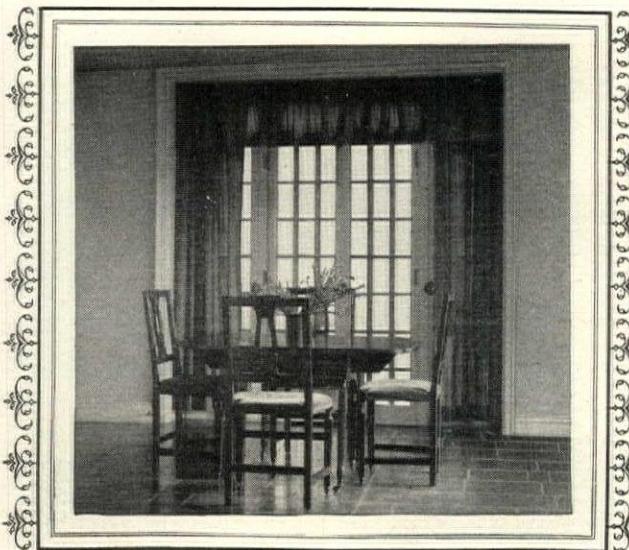
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Often the rods are the real secret of lovely curtain effects. And new, scientific Bluebird Rods make every beautiful effect easy.

In rust-proof Satin Gold or White Enamel, these rods suit all curtains. In single, double, triple styles they fit plain, bay or casement windows, and

Inquire of your local dealer. He carries Bluebird Rods or will gladly get them



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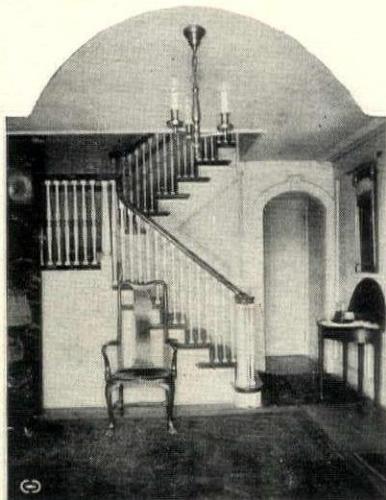
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we are insisting on for the Trim (and also the Furniture) of our New Home is still plentiful enough in the Northern woods to be attainable at a price easily within our means."



The texture of Birch makes it perfect under enamel, as in the hallway (above) in the home of K. B. C. Smith, Esq., Tenafly, N. J. R. C. Hunter & Bro., Archts.

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is, truly enough, "the wood for the wise" for all Interior Trim—also Furniture. It is very hard, and thus is practically dent and mar proof. (Are there children in your home?)

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**Colonial
4-Poster Bed**
GENUINE MAHOGANY

Fluted posts, 54" high; beautiful hand carved pineapple tops. Panels in head and foot boards of exquisite pencil stripe grain mahogany. Hand made throughout by skilled craftsmen. Distinctive dull rubbed satin finish. Unmatchable in price or quality. Made in three sizes:

Single or Twin size	2' 3"	Width	6' 4"
Medium size	3' 0"		6' 4"
Full size	3' 6"		6' 4"

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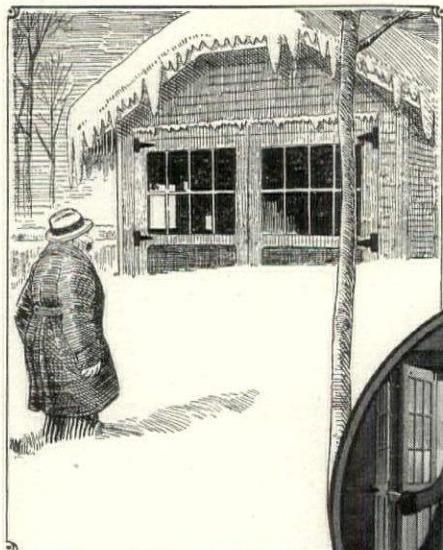
Piping Rock Country Club, Locust Valley, L. I.



Mr. Morgan's Residence, Wheatley Hills, L. I.

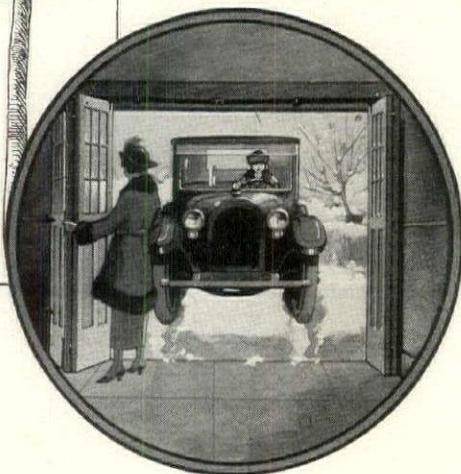
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**"Beautiful Birch for
Beautiful Woodwork"**



Where do you think the snow shovel is carefully put away?

—Cartoon by Webster in Cincinnati Times-Star



Garage doors hung on Slidetite slide and fold away from the snow

Old-fashioned swinging garage doors, which are never satisfactory, become even more troublesome when cold weather arrives. Not only are they easily blocked by ice and drifted snow, but they are always being slammed and banged about by wintry winds.

Slidetite, Garage Door Hardware

provides a doorway without a single fault. For Slidetite equipped doors slide *inside*, away from ice and snow, and fold flat against the wall where the wind can't slam and bang them. Slidetite equipped doors are suspended from above, making sagging and binding impossible. They slide so smoothly on their overhead track that a child can open or close them. Yet they fit the opening snugly when closed, securely sealing the garage against wind and cold.

Before building that new garage, or remodeling the old one, send for a copy of Catalog M-29. It contains many helpful suggestions and detail doorway plans. Slidetite is sold by leading hardware and lumber dealers everywhere



A corner of one of the houses in Coral Gables from whose roofs the town derives its name.

SPAIN IN FLORIDA

(Continued from page 126)

plan. Here is the repose of the Court of Honor of the old Chicago days; here is structural unity in the large, here is detail which quickens the imagination; here is color applied in ways new to American building, here is landscape gardening made an integral part of the whole vast plan, and here is Florida in its most beguiling mood.

It is fitting that the Spanish style should have been chosen for the town of Coral Gables. No other would so perfectly express the history and atmosphere of this part of the world which Spain more than four hundred years ago made her own. Correctly interpreted the style is rich and varied for no country drew in a more princely manner from the rest of the civilized world than did Spain in her prime. Her touch with Mediterranean countries was close, and scarcely less so with Flanders and Holland, and through them with the Orient as known to mariners of that far away day.

Within the past few years there has been a great awakening in this country to the beauties of Spanish architecture, gardens and handcraft. A wealth of material is opened up to the student whether his special interest be iron work, pottery, old silver, embroideries, or houses.

No style becomes more completely a part of its background than the Spanish and at Coral Gables the plaza, the patio and the wall fountain take on new fitness and charm.

Florida and Spain have much in common in the way of tree, shrub and flower. The orange is not the only bond. Naturally Southern Florida has much that Spain has not in the way of tropical foliage. There is here a successful welding of landscape frame and architectural picture, of the tropical loveliness of Cocoanut Palms, royal Poincianas, feathery Bamboo,

brilliant Bougainvillea, picturesque Banyan, and of orange trees grown for their beauty as once cultivated in the royal gardens of the Alcazar in Seville.

The Giralda lives here again, even as it raises its high tower in Madison Square; also the Casa Miranda, the Gate of Justice, the Door of the Sun, the Court of the Oranges; a poet might put them into a sonnet and choose a moonlight night in the country that is always June.

Possibly you may not care for all the schemes at first sight if you have thought of houses all your life in terms of drab. But colorful Spain cannot be translated in Quaker gray, or Puritan brown, nor can Florida in the vicinity of Miami. With intense blue skies and vivid flowers, with Biscayne Bay changing from azure to violet and from violet to apple green, art must follow nature or be out of the picture altogether.

Quite recently Ralph Adams Cram has written: "Architecture without color is a vain thing," and again "Nature expresses herself in color and if art cannot do the same why art had best go back to nature and take a fresh start."

As the architectural scheme of this town unfolds, Italian themes will be interrelated, particularly the Venetian, which has special fitness in this land of picturesque waterways. While Spanish themes will predominate, all the Mediterranean countries, in time, will be represented. The possibilities for beautiful effects are tremendous with a scope as broad as the one planned for here.

We are accustomed to seeing the individual problem well treated in this country when taste and wealth are at command, but observation has not led us to expect so convincing a handling when the idea is built on a colossal scale.

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Every genuine Wheeler-Okell four-poster is made of solid mahogany or solid American walnut. We make four-posters only. We use only these fine woods. Every design is authentic (copyrighted). There are thirty-one beautiful designs for you to choose from. In full and twin bed sizes.

The Wheeler-Okell trade mark assures you of utmost beauty in material, design and workmanship. Look for this guarantee of the genuine. See that it is on the foot panel of the bed you buy. Most good stores carry Wheeler-Okell four-posters. To be certain, write for name of nearest dealer and free booklet fully illustrating all designs. Write to 103 Russell St.

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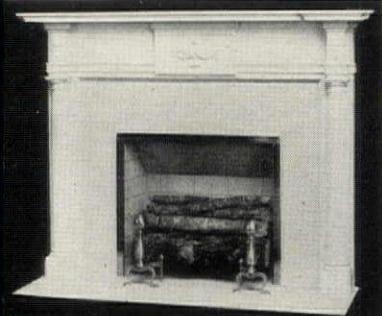
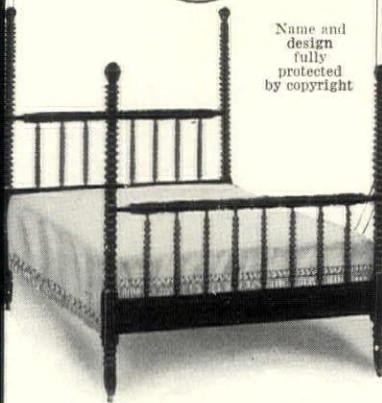
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BROWN BROTHERS Breakfast Room Set No. 725

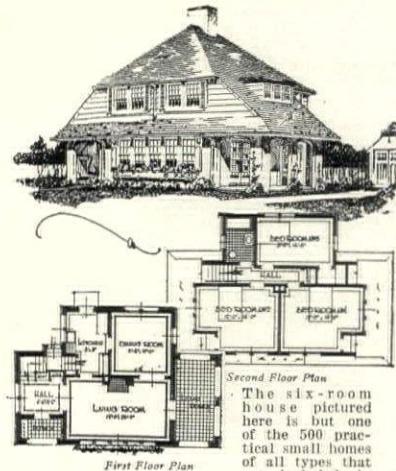
An artistic, practical set, at a moderate price. Made of kiln-dried birch and magnolia. Table is 36" x 42" with leaves up; 16" x 36" with leaves down. Well made. Gloss enamel finish which may be washed with hot or cold water without injury. Decorated in grey and blue, black and gold, or colors you select. Write for catalog and color card. Please mention dealer's name and color scheme of your walls.

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Second Floor Plan
The six-room house pictured here is but one of the 500 practical small homes of all types that are included in Volume I, "The Books of a Thousand Homes."

In this book the home you want

When are you going to build your own home? This year? Next? Some time indefinitely in the future?

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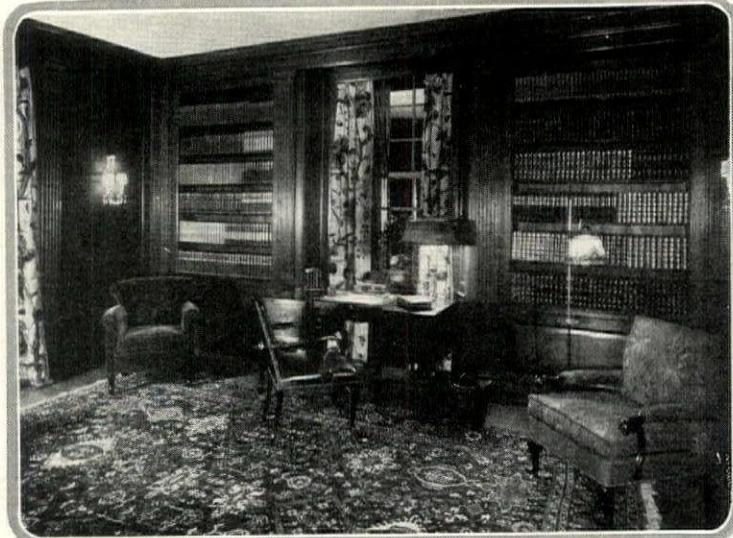
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The Change in Name
Yes, there has been a change in our name, though none in personnel. We are now The Conard-Pyle Co., so-named for Alfred F. Conard, who was one of the original partners in the old Conard & Jones Co., and for Robert Pyle, our President since 1907—the same Robert Pyle, incidentally, who wrote "How to Grow Roses", and whose illustrated lectures on roses and rose-growing have been favorably received in many of our larger cities.

STAR ROSES ARE GUARANTEED TO BLOOM OR WE WILL
BUY THEM BACK FROM YOU



One of the most effective interiors at the recent Art-in-Trades Exhibition was a Georgian library with pine paneling and crewel embroidered curtains. The Colby Decorating Co.

THE ART-IN-TRADES EXHIBIT

TWENTY-THREE rooms completely furnished and representing the work of many of the foremost decorators, designers and craftsmen in America comprised the third annual exhibit of the Art-in-Trades Club held recently in New York.

With the growing interest in home decoration these exhibitions are increasingly valuable. In the first place they offer excellent opportunities for studying various types of decoration.

In addition, and this in the end is the aim of the organization, they create and stimulate an interest in and desire for beautiful surroundings—furniture, hangings, rugs, accessories—all the things that go to make up an artistic and livable room.

The spirit that animates this exhibition is best known by quoting the object of the Art-in-Trades Club, established eighteen years ago—"To bring

(Continued on page 134)



The bedroom above with its painted furniture and bright glazed chintz was part of a three room Colonial apartment decorated by M. L. Overton

Fine reproductions of 18th Century mahogany furniture, and an interesting paper were features of a breakfast room decorated by W. & J. Sloane





HILL'S EVERGREENS

President of an institution
that has supplied beautiful
evergreen trees to planters
for nearly 70 years.



Many of the country's great estates, public parks and boulevards, as well as thousands of all classes of homes, have added beauty due to plantings of Hill's Evergreens.

Our 1925 catalog contains 76 pages and nearly 100 illustrations—24 of them in full color. The descriptions are complete and authentic. It gives information regarding color, shape, size and best uses of the different varieties. Write for catalog today. SEND 25 CENTS IN STAMPS OR COIN which will be refunded on your order.

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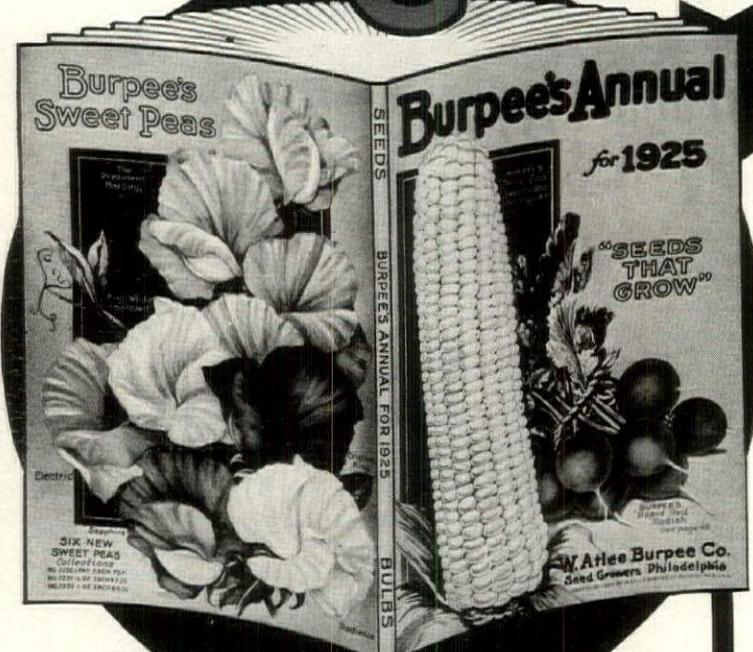


Provide All Year Beauty for Your Home

How much of their charm these houses owe to the artistic grouping of Evergreens! The rich masses of color endure throughout the seasons.

When annuals and perennials are all stark in winter sleep Evergreens are the living notes which help to keep your home grounds beautiful. Three generations of the Hill family have devoted nearly 70 years to the growing of

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A small conservatory with walls painted in the Pompeian manner was given additional color with painted furniture, oil jars and many flowering plants. Cooper & Gentiluomo, decorators

THE ART-IN-TRADES EXHIBIT

(Continued from page 132)

together for mutual advancement and study men who are engaged or interested in the arts and art trades; to study the principles of art as applied to trades connected with the decoration and furnishing of buildings; to harmonize commercial activities with the growing art tendencies of the present time; to encourage feeling and taste for art expression in general; to strengthen the bond among those thus allied by good fellowship and a community of interests."

Five of the interiors shown are illustrated in this article. In addition one was able to see and study such divergent types of decoration as a Spanish-Italian entresol decorated by Raymond Anthony Court—an imposing interior with rough cast walls and interesting tile effects, an English 18th Century dining room decorated by Frank Partridge and Stair & Andrew and containing some fine mahogany chairs by Chippendale in his Chinese manner; also a Georgian living room by the Sterling & Welch Co., a Re-

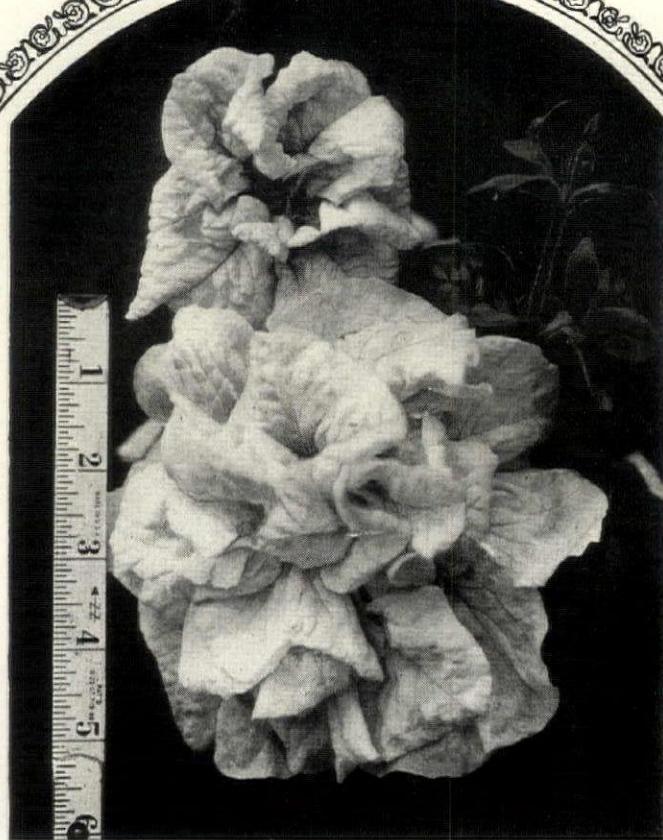
gency dining room by Henry Fulder & Sons, and a colorful 18th Century bedroom decorated by B. Altman & Co. The walls of this room were paneled with Zuber paper in a picture-like Chinese design.

Perhaps the most elaborate of the interiors shown was a large Elizabethan living room decorated by Charles of London. This was an unusually imposing example of the sturdy decoration of that period, with fine oak paneling, and furniture, armor, lighting fixtures and accessories of great beauty.

Other interesting interiors in the exhibit were three small rooms comprising the Colonial apartment done by M. L. Overton. The bedroom of this group is shown on page 132. The combination living and dining room of this apartment was simply but effectively furnished with sturdy maple furniture copied from early American models. These pieces, excellent in design and execution, are ideally suited to the simple dignity of a room of this kind.



The entire scheme of this French sitting room revolves around the use of crimson and cream toile de Jouy for curtains, wall panels and furniture covers. E. A. Belmont, decorator



Type of Diener's Giant Double Petunia,
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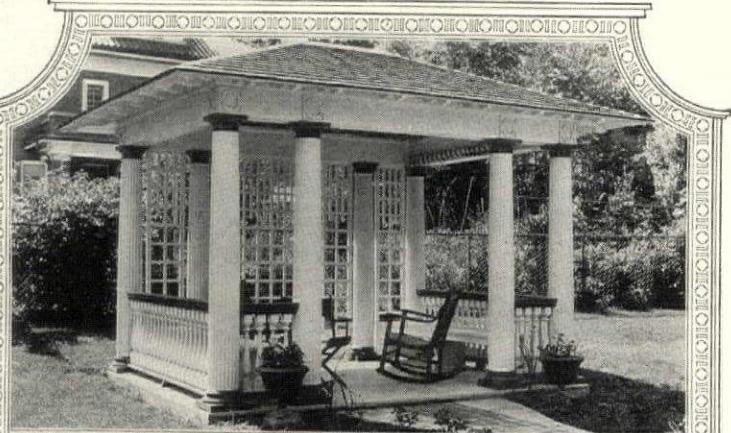
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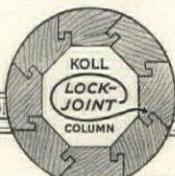
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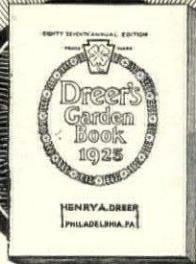
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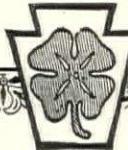
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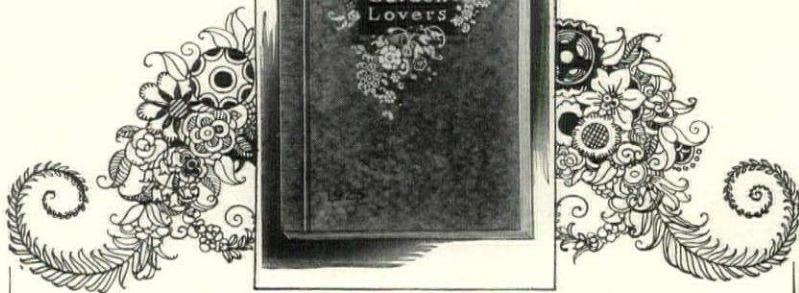
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Gardens
in 1925

"A Book for Garden Lovers"

is ready for you—Full of helpful planting suggestions and information about the quality and varieties of

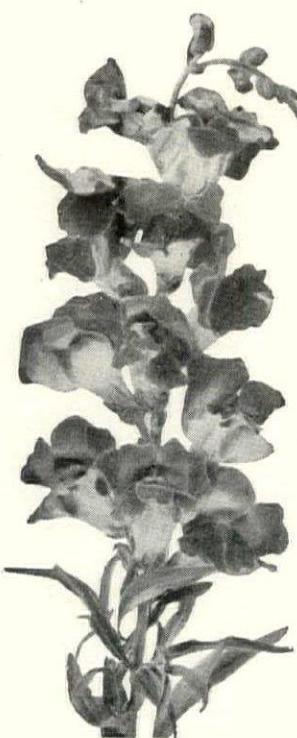
Schling's Seeds

Seeds that are famous for their supreme quality and the truly marvelous vitality that has been bred into them by the most scientific selection under the careful supervision of men who have given a lifetime to the work.

"Now the New Year reviving Old Desire,"—When once again one takes up the pleasant task of planning the new garden it is well to remember that what you wish to buy is not seeds but success and—

"Schling's Seeds Spell Success!"

In proof of this statement let us reintroduce to you that superb variety among Schling's Specialties,



Indian Summer

Seminole. Rosy Lilac with silky white throat; beautiful.
Narragansett. Delicate rosy Lilac, overlaid with a silvery lustre; rich golden yellow at center.
Tenega. (Sunset). Golden yellow (Autumn Gold) changing toward the center to a bright terra-cotta.
Shasta. A lovely pure white with a fine yellow throat.
Massasoit. Brownish orange characteristic to the wallflower with an underecurrent of coppery red—another new color.
Miami. A delightful tender rose color.

1 pkt. \$1.00; 6 for \$5.00

Here are the rest of the royal family—you really can't afford to miss one of them!

Golden West. Deep golden yellow with rosy Lilac throat.
Pathfinder. A lovely tender rose-pink, with yellow lip and pure white throat.
Yosemite. Lip and throat of a splendid Lilac-purple (like our garden Lilacs); golden yellow center.
Navajo. Pure delicate canary yellow self without the slightest trace of another color.
Wyoming. Deep carmine-pink with golden yellow lip and Lilac-red throat. Wonderful combination.

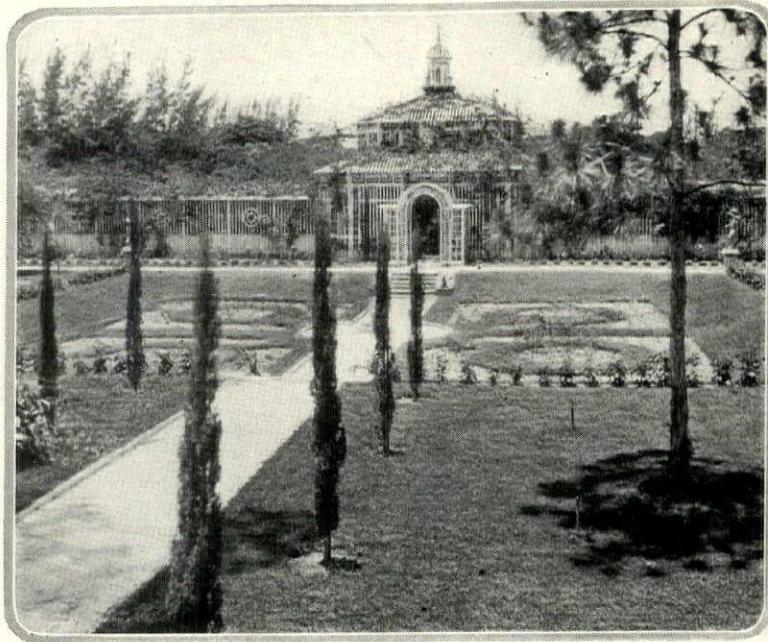
1 pkt. of any of the above, \$1.00; 6 pkts., \$5.00

Special Offer:—The entire collection—1 pkt. of each of 12 varieties, \$9.00.

Schling's Seeds

618 Madison Avenue near 59th Street

New York City



The walk that leads to the plant propagation house on the Bindley estate at Cocoanut Grove is flanked by Italian Cypress and, at the right, by a Caribbean Pine. Kiehnell & Elliott, Architects

TROPICAL PLANTING IN FLORIDA

ROSE L. DICKINSON

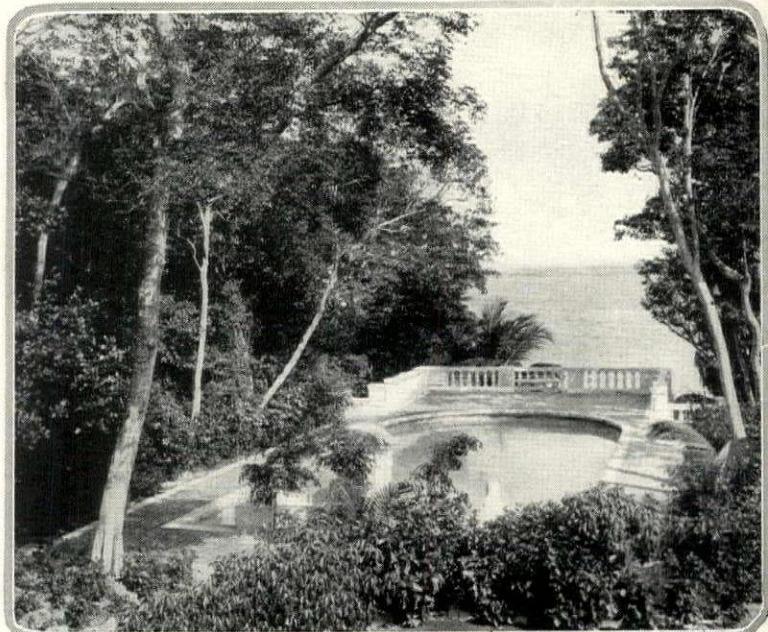
ANYONE familiar with the abundance and variety of tropical plant material appreciates the great temptation to indulge in a little bit of everything when laying out a southern landscape plan. This is the reason for the usual spotty effect which, until recently, has been so evident about the many otherwise attractive winter homes in the south. At the present time, however, by the more judicious use of fewer varieties, the true value and beauty of tropical vegetation is being increasingly emphasized.

In Florida, where the perpendicular can be so characteristically accented by the use of the stately Royal Palm or the more picturesque Cocoanut, an interesting skyline is always possible. The contrast in texture and substance of much of the tropical foliage is so great that in mass plantings these

points and the vastly differing tones of green must be carefully considered.

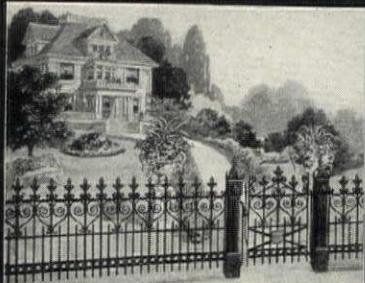
Miami offers the winter resident a wealth of bloom and verdant growth, and the many gardens and fine estates sloping down to the water's edge give evidence of thoughtful consideration of color and design. Who will soon forget the sight, on a Eucalyptus-shaded drive south of Miami, of the flaming orange Bignonia vine intertwining across the road with the more delicate cloud-like sprays of pale blue Thunbergia? On the other hand, when one is confronted by the reds of the Hibiscus and the many magentas which rise up together to offend the eye, one wonders why all garden lovers in that sunny land do not turn more directly to the blue and gold atmosphere about them for their inspiration. One has only to consider

(Continued on page 140)



Native trees and a background of blue water form a superb setting for the Stanley Joyce swimming pool at Miami. Kiehnell & Elliott were the architects

Stewart's
IRON FENCE
STANDARD
OF THE WORLD



Beauty, Protection, Distinction

For town or country home

Used at the recommendation of landscape architects on many of the best known estates in America. Stewart Iron Fence is also bought for the more modest town or country home. It never has to be replaced—it is a life time improvement.

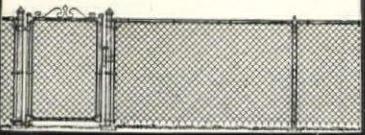
For garden or lawn

For enclosing the garden, lawn, or other grounds at moderate cost, you can secure many attractive designs in Stewart Chain-link Wire Fences. It is strong, lasting, distinctive, economical.

Stewart erection service available everywhere.

Send today for
Catalog "C," Iron Fence Designs
Special Bulletin of Chainlink Designs

The Stewart Iron Works Co., Inc.
422 Stewart Block Cincinnati, Ohio
"The World's Greatest Iron Fence Builders"



Popular flowering shrubs

Virginalis, the modern "Mock Orange"



Strong 2-year-old
field-grown plants,
\$1.50 each or \$14.00
for ten by express
or freight.



HERE is a magnificent new variety of *Philadelphus*, possibly the best loved of all old-fashioned shrubs. *Virginalis* blooms profusely. The 2 to 2½ inch pure white flowers are the largest, handsomest and most sweetly fragrant of any known variety—with the longest blooming season. The bush grows to a height of 6 feet with graceful dark green foliage. Send an order for *Philadelphus virginalis* today and ask also for the 1925

Storrs & Harrison Free Catalog

which shows and describes the finest seeds, plants, trees and shrubs that you can possibly buy. The pick of 1200 wonderful acres is listed—backed by 71 successful years.

THE STORRS & HARRISON CO.

Nurserymen and Seedsmen for 71 years

Box 582

Painesville, Ohio

Better Plants by Farr

1925
Edition

as the name indicates, contains only the best varieties of perennials and shrubs for every growing garden. Surely you like to read about them.

Iris Delphiniums Chrysanthemums
Peonies Philadelphus Lilacs

and many other species and varieties which have been admitted to this book only after very careful tests. You'll be proud to grow such plants in your garden.

Better Plants by Farr—our catalogue, is a guide for small and large garden owners. It will help you to select the best plants. A free copy will be sent to House & Garden readers.

BERTRAND H. FARR—Wyomissing Nurseries Co.
106 Garfield Avenue, Wyomissing, Pennsylvania

The Roses of New Castle



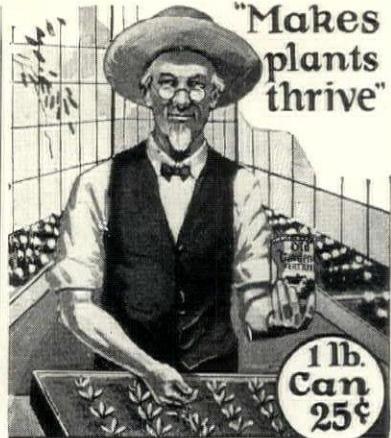
Are the hardiest, easiest growing, freest blooming rose plants in America. Always grown on their own roots in the fertile soil of New Castle. We are expert Rose growers and give you the benefit of a life time experience and the most select list in America. Every desirable rose now cultivated in America is included in our immense stock—and the prices are right.

Our Rose Book for 1925 "ROSES OF NEW CASTLE"

tells you how to make rose growing a success. The most complete book on rose culture ever published, elaborately printed in actual colors. Gives all information that you need. Send for your copy today—a postcard will do.

HELLER BROS. CO., Box 152 New Castle, Ind.

"Makes
plants
thrive"



1 lb.
Can
25¢

Old Gardener FERTILIZER

The best complete fertilizer, tonic and soil sweetener, for every lawn, garden and home use. Contains in concentrated form the food elements used by professional gardeners and florists.

Gives Wonderful Results

Old Gardener makes plants grow and bloom like magic. Ferns, palms, bulbs and house flowers take on new life almost overnight. Worn out soil is quickly freshened and made fertile. Lawns, shrubbery and outdoor gardens respond just as quickly and grow as never before.

Odorless—Easy to Use

No need of using coarse, low-grade odorous fertilizers. *Old Gardener* is absolutely odorless, harmless, clean and easy to use. Will not injure tender seedlings; does not require dissolving in water. Just scatter it on. Plain directions on every package.

In 5 Handy Sizes

Old Gardener comes in 5 sizes, from one-pound can to one hundred pound bag—a handy, economical size for every purpose. On the basis of plant food contained, it is the cheapest fertilizer you can use.

Try it



Test it on your house plants now. Get a one-pound can from your dealer in garden supplies, or use coupon. Authoritative leaflet on Care of House Plants, free with each order.

United Chemical Products Co.,
812 Magee Bldg., Pittsburgh, Pa.

Send me.....1-lb. cans (25¢ each, postpaid) of
Old Gardener Fertilizer and leaflet. I enclose.....

Name.....

Address.....

(Dealer's Name.....)

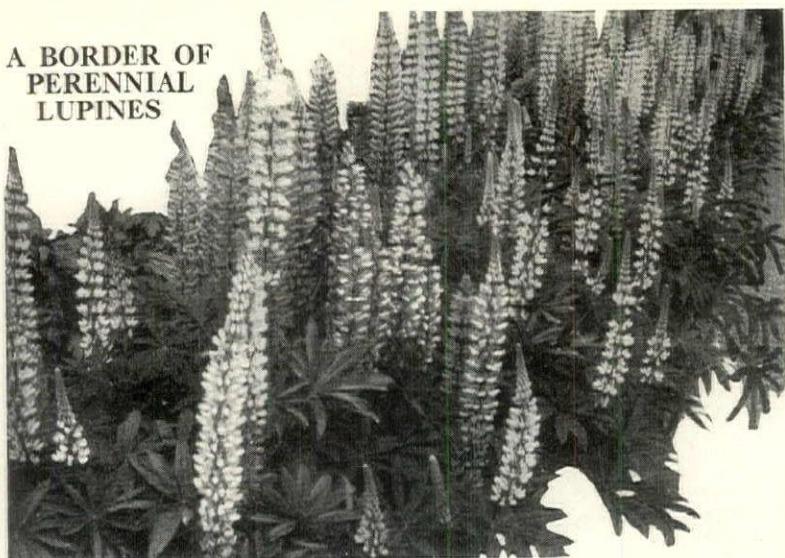
GALLOWAY POTTERY

Galloway Pottery adds interest to the garden, sun room and hall. These high fired strong and durable terra cottas include shaped Jars, Bird Baths and Fonts, Flower Vases, Pots and Boxes, Gazing Globes, Benches, etc.

A collection of over 300 attractive numbers is shown in our catalogue, which will be sent upon receipt of twenty cents in stamps.

GALLOWAY TERRA COTTA CO.
3218 WALNUT ST. PHILADELPHIA.

A BORDER OF
PERENNIAL
LUPINES



Giant Pastel Snapdragons

Send for this Book
Elliott's "Flower and Vegetable Gardens" for 1925 describes all of the finest varieties of flowers, including many valuable new introductions. Makes garden planning interesting, easy, and resultful. Free to all who are interested in fine gardens. Write for it today.

Rare Art Shades for your 1925 garden

Supreme in size and form—even more distinguished for their new and rare pastel colors—are Elliott's 1925 selections in easily grown garden flowers. Old favorites bred to size and beauty hitherto undreamed of. Just as easy to grow as the commoner forms but infinitely more lovely. Available in limited quantities only for 1925.

Elliott's Giant Pastel Snapdragons. Newest and largest of all "Snaps;" unique and most artistic in coloring. Old gold, pastel rose and lavender, warm terra cotta, russet and coppery tones. Thickly clustered blossoms on mammoth 3-foot spikes. Ideal for cutting. Pkt. 35 cts.

Elliott's Sweet Scented Lupines. Delicate, enchanting perfume and a wealth of soft harmonious shades distinguish this famous strain. Hardy perennials, thriving in full sun or partial shade. Frequent cutting prolongs the blooming period from May on to early fall. Tall spikes of pink, rose, sky blue, amber, fawn and artistic bicolors. Pkt. 50 cts.

Elliott's Violet Blue Balcony Petunia. One of the most superbly colored flowers we have ever seen—a lovely deep shade of pure violet blue—rare in flowers of any kind and absolutely unique in Petunias. A mass of big, velvety blooms from early summer to late fall. Pkt. 25 cts.

Elliott's Mammoth Pastel Zinnias. The largest strain of Zinnias ever developed and the most beautiful. Not the raw, glaring colors of the familiar types but softer pastel combinations of salmon, rose, lavender, old gold, burnt orange, deep crimson and violet. Flowers often 6 inches across, with deep, full centers. Sensational in every way. Pkt. 40 cts.

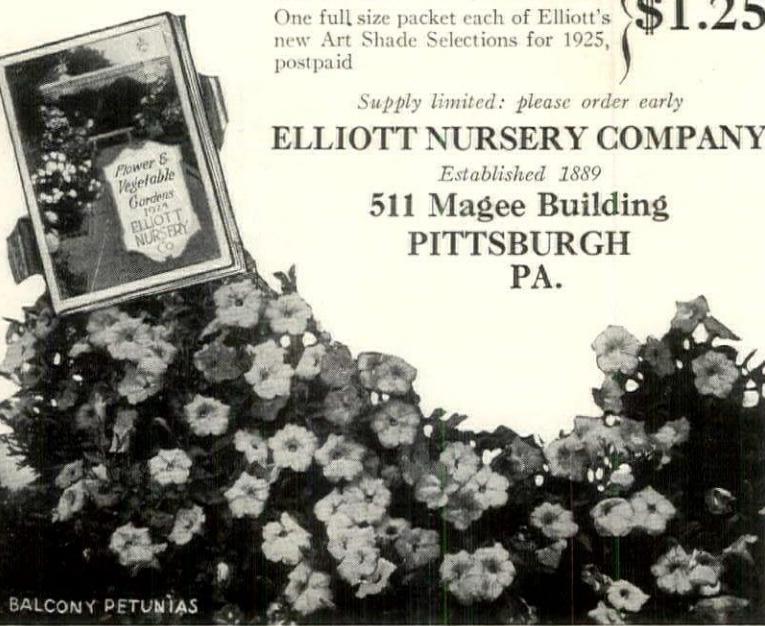
SPECIAL OFFER { \$1.25
One full size packet each of Elliott's new Art Shade Selections for 1925, postpaid

Supply limited: please order early

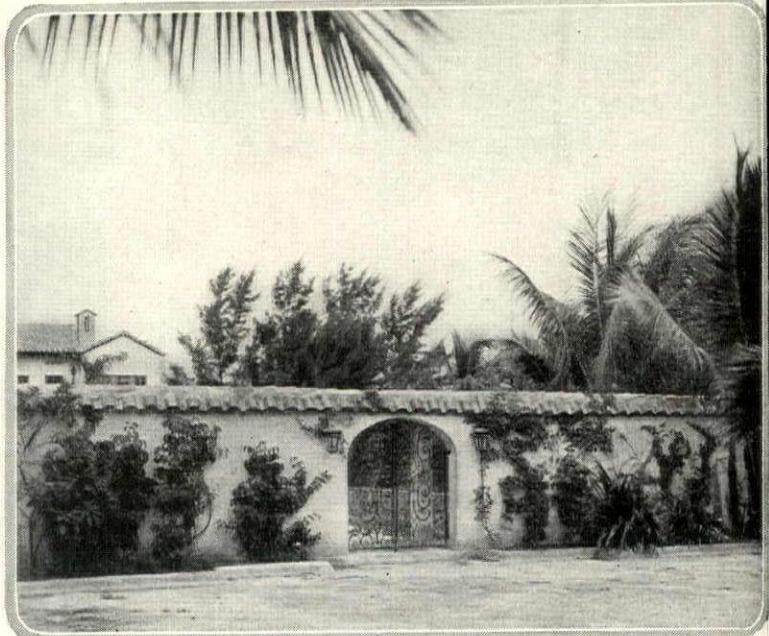
ELLIOTT NURSERY COMPANY

Established 1889

**511 Magee Building
PITTSBURGH
PA.**



BALCONY PETUNIAS



The Florida climate makes possible the use of a great variety of plants. This courtyard entrance to the home of Theodore Dickinson, Esq. shows a wise handling of native material

TROPICAL PLANTING IN FLORIDA

(Continued from page 138)

the Old World and the shores of the Mediterranean to find the most perfect expression of color values both in the architecture and in the out-of-door setting. Even the simplest French peasant with his courtyard garden, or group of flower pots along the wall, senses the true beauty of the tropical atmosphere and expresses himself in harmony with it.

Of the shrubs which lend themselves most favorably to hedge and border planting in southern Florida, the Carissa (*Carissa grandiflora*), with its depths of lustrous green, and the Tobira Shrub (*Pittosporum tobira*) are two excellent examples, and if a more subdued, softer green is desired, the Oleander, the Florida Privet (*Forestiera*) and the blue Leadwort (*Plumbago capensis*) are useful in various ways, and beautiful during the winter months. The Allamandas (*A.*

nerifolia and *A. hendersoni*), both shrub and vine, are of value for their foliage and yellow blossoms, the latter coming in January and February, a fit companion to the Solanum which, though a vine, is often grown in beds similar to the Briar Roses of the North, with the pleasing effect of a billowy mass of pale blue. The Daedalacanthus (*D. nervosus*) is also a shrub of importance.

In some parts of Florida, along the coast and where the land has been made by dredging, some varieties of shrubs and flowers are grown with difficulty, owing to the lime soil and the salt water. Most of the harder annuals of the North, however, such as Calendulas, Alyssum, Petunias and Ageratum, can be used with telling effect if started in September or October, and the seedlings set out before Christmas.



There is something architectural about the palm, fitting it ideally for formal drive and avenue planting. Here on the Arthur Curtis James estate at Cocoanut Grove it is well used



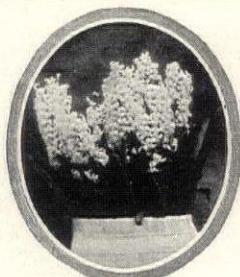
Why "Live in Anybody Else's Pocket?"

"One thing I like about my place," said Ex-President Roosevelt, "I do not live in anybody else's pocket." Sagamore Hill, the home of the late Theodore Roosevelt, has a ring of forest all around it, the view extending over the tops of the trees to Long Island Sound.

PLANTING ALL WINTER
is as easily and successfully done as spring and fall planting when Hicks' "Time-Saving" trees and shrubs—grown and prepared for moving at any time—are used. We guarantee them to grow.

It is not necessary for you to "live in anybody else's pocket"; independence and seclusion can be secured even on 50- or 100-foot lots by a barrier of Hicks' "Time-Saving" Evergreens. Plant them now, you will enjoy them this winter. They are beautiful the year 'round, for they never fade.

HICKS NURSERIES
Box H, Westbury, L. I. New York



Do You Love Early Spring Flowers?

You can enjoy beautiful spring blooms long before your neighbor's plants begin to blossom.

How? Order your greenhouse now and in a very short while you will be able to do your planting for early spring flowers.

CALLAHAN GREENHOUSES

A Callahan Unit-Built Greenhouse can be erected easily and quickly, even in winter. It is shipped in units, painted, with glass all in, hardware attached, ready for quick assembly.

The thing to do NOW is—write for the Greenhouse Book and complete price lists.

The T. J. Callahan Co.
501 Stout Street Dayton, Ohio



It isn't Imagination— Such Flavor can't be Bought

FLAVOR in vegetables, like the dew, vanishes early. Once out of the ground the loss begins. Sweet corn loses 40% of its sweetness 18 hours after picking, government tests show. The sugar in all vegetables begins turning to starch the moment they are picked, dulling their fine flavor. Things grown in your own garden *do* taste better.

Days often elapse before market vegetables reach your kitchen. Professional gardeners grow market varieties; they cannot afford to grow tasty little morsels whose juiciness would prevent their shipping.

You can! And Vaughan's 1925 *Gardening Illustrated*, shows you just the varieties to plant for flavor and tenderness—for table quality.

This Group Especially Appetizing

Here is a list of vegetables selected for flavor. A package of each will be mailed to you for \$1.50—or pick out the kinds you like, 10 cents each.

Beans—Round Pod Kidney Wax
Stringless Green Pod
Limas—Carpenterite
Chinese Cabbage—Vaughan's Pe Tsai
Carrot—Nantes Half Long Scarlet
Sweet Corn—Vaughan's Michigan grown
Golden Bantam
Cucumber—The Vaughan

Lettuce, Leaf—Prize Head
Head—Vaughan's All Seasons
Romaine—Express Cos
Pear—Laxtonian, dwarf
Quite Content, tall
Squash—Table Queen
Tomato—Vaughan's Select Earliana
Improved New Stone

Vaughan's *Gardening Illustrated*. A seed catalog unlike others, a magazine of home gardening information, as well as a complete list with pictures, prices and descriptions of everything a home gardener desires or needs. It has 90 colored plates of flowers. A postcard brings your copy.

Department 11
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CHICAGO

Vaughan's
Seed Store

Department 11
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NEW YORK

DINGEE ROSES On Own Roots

A MAGNIFICENT new Dingee rose, the "Silver Columbia," is shown below. A hardy, luxuriant bloomer, it grows in or out of doors without coaxing. It is graceful, fragrant, colorful.

Rose lovers everywhere plant Dingee rose bushes. They are strong and sturdy—pot grown on their own roots. Plant them any time, anywhere. Beautiful new varieties and all the old favorites. Safe delivery guaranteed anywhere in U. S.

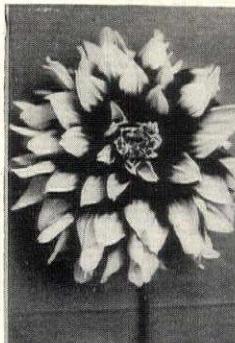
"Our New Guide to Rose Culture"

For 1925

Sent Free on Request

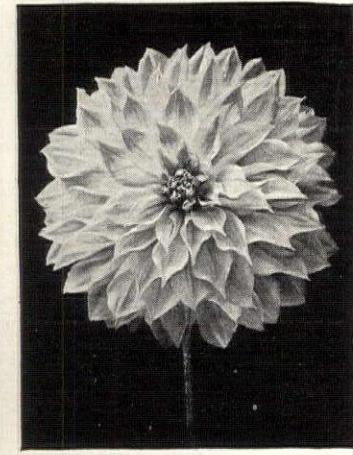
will help you in planning your garden. Completely illustrated. Describes over 500 varieties of roses, plants, bulbs and seeds and tells how to grow them. It gives you the lifetime study and experience of the oldest and leading rose growers in America for 74 years. Contains practical information for the amateur. Limited edition. 70 greenhouses. Established 1850.

THE DINGEE & CONARD CO.
Box 172 West Grove, Pa.



The New Dahlia "Our Country"

Stillman's new dahlia catalogue for 1925 is full of interesting subjects. It contains lots of new things of valuable information on dahlia culture. It will be a pleasure to mail you a copy free.



Write for Our Blue Book

It lists the Blue-bloods of the dahlia and gladiolus world—both standard varieties and new creations—exquisite beauties nurtured to perfection in the fertile soil and under the sunny skies of California.

Every bulb and tuber that we offer is of exceptional quality, insuring vigorous growth and splendid blooms.

Your garden library is not complete without a copy of the Blue Book. Mailed free on request. Send for your copy now.

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6066 Hillegas Ave. Oakland, Calif.

MRS. CARL SALBACH—known the world over. One of Salbach's many creations.

George L. Stillman

Dahlia Specialist, Box HG-25
Westerly, Rhode Island

Stillman's dahlias are known the world over as "dahlias of distinction."

Beautify your home



Direct from old reliable Green's Nursery you can get healthy, hardy, growing things of many kinds to add beauty, value, and a source of fresh fruits to your home.

10 Flowering Shrubs

Blooming Size 2-3 Ft.

1 Forsythia (Golden Bell)	1 Dwarf Barberry
1 Deutzia Pridi	1 Golden Spiraea
1 Mock Orange (Syringa)	1 Hydrangea P. G.
2 Spiraea Van Houttei	1 Spiraea Billardi
1 Indian Currant (Coral Berry)	

Total cost separately—\$5.80

Special Collection Price..... \$4.50

Have Delicious Fresh Fruit

Dwarf Fruit Tree Collection

1 McIntosh Apple	1 Delicious Apple
1 Bartlett Pear	1 Clapp's Favorite Pear
All Dwarf trees.	Full-sized fruit on small trees.
Start bearing early—usually 2nd year after planting.	Take little room. Ornamental.

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Other attractive collections and over 300 varieties of growing things from which to select.

Sent C.O.D. or liberal discounts for cash. Shipments prepaid east of Mississippi on orders of \$10 or more.

Illustrated catalog FREE!

Describing over 300 varieties of growing things. Full of information about trees, vines, shrubs, planting etc. Write for it today.

GREEN'S NURSERY CO.

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Rochester, N. Y.

Green's Trees
Shrubs
Vines
Nursery to You at a SAVING



Improved European Filberts

Beautiful Shrubs and Real Nut Producers

Hardy and adapted to the more Northern states—these beautiful plants fill an important place in ornamental plantings and nut borders for Walks and Drives. Other Hall specialties are:

Mary Wallace—Hardy Pillar Rose. A fine, strong self-supporting Rose 6 to 8 feet high, with large, glossy foliage. Blooms freely in Spring and has fine buds in Summer and Fall. Flowers semi-double, bright, clear rose-pink, with salmon base.

Silver Lace Vine (Polygonum Aubertii)—The fastest growing climbing vine known—(splendid coverage the first year).

Lodense (The New Dwarf Privet)—Only 8 to 10 inches high—ideal for edgings where the ordinary hedge is too high.

New Everblooming Rugosa Rose—For mass and hedge plantings—not for the rose garden.

Clusters of beautiful bright red flowers resembling bunches of red carnations. Very double with petal edges serrated and with the beautiful deep green, healthy foliage characteristic of the Rugosa Rose. Blooms continually from early Summer until frost.

These are only a few of our specialties. Many others are illustrated in full color in our Free Catalog. Send for Catalog today and find out about our splendid assortment of Fruit and Ornamental Trees, Shrubs, Roses, Berry Plants, etc.

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Splendid Nursery Stock of all kinds



Better Fences

Excelsior Ornamental Wire Fence is made of heavy wire held by patent clamps, insuring perfect alignment. It is hot galvanized after weaving, the heavy coating of pure zinc giving the fabric complete protection against rust. For residences in city or country. Complete information upon request.

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WIRE FENCES

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New York Buffalo Philadelphia
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"The Grounds Sold the House"

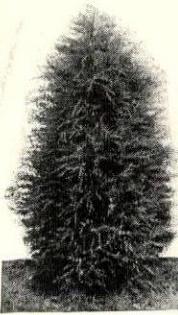
said a young matron. The couple had just sold their home at a good profit because the grounds had been made attractive with Evergreens, Shrubs and Hardy Flowers. You can make your grounds equally attractive with the help of our Service Department. We will send you

FREE "Practical Plans"

for Home Planting, showing five splendid collections and explaining how to adapt them to your grounds. We stand ready to give any further help needed in working out a satisfactory planting scheme—all without charge.

Write today for "Practical Plans" and 72-page Catalog of Ornamentals and Fruits.

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Box 51 Berlin, Maryland



Oriental Plane

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felstone!
the more Beautiful
GARDEN FURNITURE

FELSTONE is a richly handsome and durable synthetic stone compounded of white Portland cement, white crystals (instead of ordinary sand) crushed white marble and black stone crystals, fashioned in charming styles and designs.

Catalogue on Request
FELSTONE COMPANY Inc
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Bird Bath 38" high
strongly crated \$60.
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Light Granite Finish



Jumbo Strawberry

Wonderful new variety
—bears until very late



Jumbo Strawberry yields great crops of very large fine-flavored fruit after other varieties are gone. Shipments have sold at \$1.00 a quart wholesale in New York. Perfect. Trial Offer 10 Plants, \$1.00; 25 Plants, \$2.00; 100 Plants, \$5.00; 1,000 Plants, \$50.00.

Redpath Red Raspberry

Beautiful brilliant red (not purple). Fruits in Fall of first year. From $\frac{1}{2}$ acre of Plants set in April, we picked 300 qts. the following Fall. Second season, the Redpath bears heavily in mid-summer. Firm and a good shipper. Absolutely hardy. Trial Offer 5 Plants, \$1.00; 25 Plants, \$3.50; 100 Plants, \$12.00; 1,000 Plants, \$100.00.

CATALOG FREE. Pictures and describes Strawberries, Raspberries and material for every planting need.

L. J. FARMER Box 250

Pulaski, N. Y.



Redpath Raspberry

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For the benefit of its readers, House & Garden maintains a Garden Information Service. No charge is made for its advice.

We can tell you where to buy your plants and garden materials—if you cannot find what you want in our advertising pages. We can make suggestions for laying out grounds—and tell you where to get definite plans. We can offer advice on the care of lawns, beds and orchards—and suggest where to purchase what is needed for their protection.

How You Can Help Us to Help You

You can tell us just what is the present condition of that part of your garden on which you seek advice.

If you want suggestions for laying out grounds, you can send photographs or scaled plans.

Generally, you can give us the full information we need to send you intelligent advice.

Now we understand each other. And—what can we do for you?

HOUSE & GARDEN'S

Garden Information Service

19 W. 44th St., New York



You, too, can have Success with Ferns

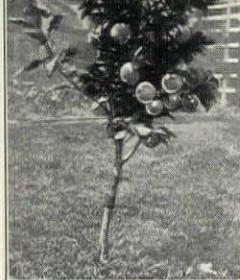
—by feeding them. Plants are living organisms and need nourishment. Feed your fern a bit of "SUPERIOR" Plant Food every time you water it and watch results. It will become as luxuriant as if just taken from a greenhouse—of rare beauty in its dark green, healthy, rich color.

Your ferns, begonias, hyacinths and other plants need feeding—"Superior" Plant Food is a scientific preparation that contains all the essential elements of plant life. Try it. The improvement will amaze you.

At your dealer's or if he cannot supply you send \$1 (plus 10c postage) for a can of 600 treatments—enough for one year. Results guaranteed or money refunded. Trial package 10c.

THE STADLER PRODUCTS CO.
50 Denison Ave.
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Specialists in High Grade Fertilizer for 70 Years

Stadler's "Superior"
PLANT FOOD



Dwarf Apple Tree
Scarlet Beauty
(See adjacent letter)

MR. C. C. MCKAY, Mgr.
VAN DUSEN NURSERIES,
Geneva, N. Y.

Dear Mr. McKay,

We are very proud indeed of our little trees in blossom time and when bearing fruit, and enjoy having our friends see them as they are quite a novelty and rare sight to many.

Very sincerely,

C. W. LORING

Our customers send in pictures of these trees because they are pleased!

We Specialize in

Dwarf Apple Trees
Dwarf Pear Trees
Dwarf Plum Trees
Dwarf Cherry Trees
Dwarf Peach Trees

They are big bearers of big fruit from small trees. They bear younger and need less room. They are the best trees for the home garden.

Our FREE catalog will tell you about them, also our roses, vines and ornamental shrubs. A Postal brings it to you.

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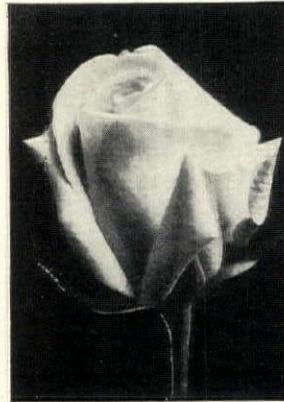
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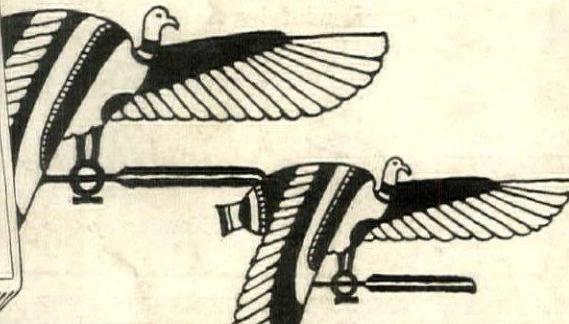
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